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ABSTRACT

This book contains a reference guide for the use of HOMES, a demographic model and computer program developed to project the number and demographic characteristics of households. Through application of this computer program to standard population projectors, users can retrieve data on: (1) number of households; (2) age and sex of household heads; (3) households with single heads; (4) one-person households; (5) average household size; (6) number of children and grandchildren; and (7) number of parents. To familiarize the user with the range of information available from HOMES, a summary of its application to the Republic of Korea is provided. A technical description of the principles that underlie the model is reported and illustrated using census and survey data from Thailand, Indonesia, the Philippines, Taiwan, Malaysia, and Korea. Computer specifications for HOMES, sample output, and procedures for running this program on a mainframe computer are provided. Appendices contain household head rates by household type and age of household head for these Asian countries from 1970-80 and summaries of HOMES programs. Tables, graphs, exhibits, and a 16 item bibliography are included. (Author/JHP)



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# HOMES: A household model for economic and social studies

## Reference guide for household projections Version 1.0

Andrew Mason

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# PREFACE

The research effort that led to the development of this model and computer package was motivated by a desire to improve the scope and quality of demographic information available in Asia and the Pacific. Many countries of the region are experiencing dramatic reductions in fertility and mortality that are causing fundamental changes in the characteristics of their populations. These transformations are fairly well understood, and more and more countries are factoring basic demographic change into their planning efforts and their formulations of economic and social policy.

The most immediate and perhaps most important impact of demographic change is on the character of the family and the household. Fertility decline means fewer children to rear and, typically, a shorter childrearing span. Over time it also means fewer adults to share the support of aging parents. Mortality decline has increased the likelihood that family members of any age will be alive and has reduced the chances that important family links will be severed by death. For the most part, however, the effects of demographic change on the household have not been comprehensively addressed in economic and social policy. Statistical and planning agencies in most countries do not project even the number of households, much less their demographic composition.

Why is it important to have this information? An increasing body of research points to the importance of the household as a determinant of social and economic behavior. Women who have young children behave differently from women who do not. Children raised in homes with both parents present differ from those raised by a single parent. What the household buys and what the household owns vary with the number of members, their age, and their sex. The living standard of most people depends as much on the earnings of other members of the household as it does on their own. It is hoped that improving the availability of information about the household and how it is likely to change will assist efforts to frame more effective policy and to improve social and economic planning.

The development of the HOMES model for household projections has benefited from the collaboration, support, and interest of a number of institutions and individuals to whom I am most grateful. Thus far, the model has been applied in six Asian countries, and detailed reports on those efforts will be available over the next few years. Research on Thailand is being conducted with Mathana Phananiramai and Nipon Poapongsakorn of Thamassat University and with the cooperation of the National Economic and Social Development Board and the National Statistical Office. Analysis of data from the Philippines and Taiwan has been a joint effort by Linda G. Martin of the East-West Population Institute and, for Taiwan, Chung-Chen Lin, Institute of the Three Principles of the People, Academia Sinica, Taipei, and, for the Philippines, Cristela Goce of the University of the Philip-

pines with the cooperation of the National Census and Statistics Office. Analysis of Indonesian data has been assisted by Sisdjiatmo Kusumosuwidho of Lembaga Demografi. In Malaysia application of the method was carried out as part of a project undertaken by the Economic Planning Unit, with the support of the United Nations Fund for Population Activities, to assess the long-run implications of population growth. I appreciate the support and suggestions of Abu Bakar Abdul Karim, David Demery, Kwok Kwan Kit, and Richard Leete. The analysis of data from the Republic of Korea is a collaborative effort with Sung-Yeal Koo, Yonsei University, and the General Motors Research Laboratory.

Colleagues and coworkers at the East-West Population Institute have contributed to this effort. Besides participating in the analysis of data from the Philippines and Taiwan, Linda G. Martin has been my coauthor of papers that developed many of the principles applied here. Her advice has been most helpful. Burnham O. Campbell has offered many useful suggestions. John Bauer and Robert Kleinbaum have provided helpful insights in their research assessing the implications of HOMES for changes in labor force participation and consumer expenditures. Lee-Jay Cho, director of the institute, has lent his active support to this project, contributing to it in many ways. Very capable research assistance has been provided by Teh Yoke Yun, Yulin Chang, and Laura Shrestha. Norma Uejo and Loretta Koga have provided efficient secretarial help. Allison Greenspan and Sandra Ward gave the manuscript careful editorial attention. Writing the computer programs for HOMES has been a major undertaking, and I am very grateful to Wayne Shima for his efforts.

The Office of Population, U.S. Agency for International Development, provided partial support under AID Cooperative Agreement No DPE-3000-A-00-3069-00 and AID Contract No DSPE-C-002 for the research on HOMES and publication of this paper.

ABSTRACT This paper is a reference guide for the use of HOMES, a demographic model and computer package developed to project the number and demographic characteristics of households. To familiarize the reader with the range of information available from HOMES, a summary of its application to the Republic of Korea is provided. A detailed discussion of the principles that underlie the computer model is reported and illustrated using census and survey data from Thailand, Indonesia, the Philippines, Taiwan, and Malaysia, in addition to the Republic of Korea. Detailed specifications of HOMES, sample output, and procedures for running HOMES on a mainframe computer are also provided.

# 1 AN OVERVIEW OF HOMES

This paper is a reference guide for the use of HOMES, a computer package developed to project the number and demographic characteristics of households. By applying the package to standard population projections, the user is provided data on:

- number of households
- age and sex of the household head
- households with single heads
- one-person households
- average household size
- sex and age distribution of household members
- number of children and grandchildren
- number of parents

The number of households and the age and sex of household heads are standard information provided by most household projection models. Other models, however, do not treat the living arrangements of other members of the population in a comprehensive fashion. HOMES employs a unique methodology to determine the entire household membership—including the head, the spouse, children, grandchildren, parents, and other household members—in a fashion consistent with underlying mortality and fertility trends. If, for example, childbearing becomes more concentrated among women in their 20s, HOMES provides an accounting for this trend in its projection of the number of children in households in subsequent years. Or if mortality among the elderly declines, HOMES accounts for the impact on the number of households headed by elderly, the number of elderly living alone, and the number of persons living in households headed by their offspring.

## General application

HOMES has been developed to project household composition in developing countries. With its emphasis on analyzing the effects of demographic

change on both the number and the composition of households, it is particularly well suited for application to countries where extended or multigenerational families are prevalent. HOMES has been tested with and used to analyze data from various East and Southeast Asian countries, including the Republic of Korea, Taiwan, Indonesia, Thailand, Malaysia, and the Philippines.

The most reliable application of HOMES is to projecting households at the national level, but it has also been applied to ethnic groups among whom intermarriage is not common. Using HOMES to project households for other subnational groups, such as urban residents, presents no computational problems, but the results may be less reliable and therefore such analysis should be undertaken with care.

HOMES has been applied to national planning problems and to the analysis of interactions between economic and demographic change. Changes in the number and demographic characteristics of households are known to influence the demand for housing, expenditure patterns (for example, the share of the household budget devoted to food, clothing, and other items), and patterns of employment, particularly labor force participation by women. As the number of elderly persons increase, governments are becoming concerned with problems faced by the aged, including finding suitable living arrangements and dependency on adult children's support. HOMES provides basic demographic information needed to analyze these issues and to assess the importance of demographic change for a wide range of social and economic policies.

HOMES can be conceptualized as consisting of two stages. In stage 1 the rules governing household formation and composition are determined from base-year data. In stage 2 the number and composition of households are projected from the results of stage 1 combined with population projections. Stage 2 is run repeatedly to assess the implications of alternative populations projections. But stage 1 is run only when new information from a major survey or census becomes available.

The data requirements for HOMES are relatively modest. They consist of population projections that include age-specific fertility rates, and a recent census or large, representative survey that includes a household roster with the age, sex, and relationship to the household head of each household member. For a few countries, analysis of recent census data on household composition has been completed and application of HOMES requires only population projections.

This reference guide is organized as follows. To familiarize the reader with the range of information available from HOMES, the remainder of this section illustrates the application of HOMES with data from the Republic of Korea. Section 2 provides a more detailed discussion of the model and its application to six Asian countries. Section 3 provides specifications for

the HOMES computer programs. Section 4 describes steps for running HOMES, including the setup of input data and the computer programs. Section 5 provides a complete description of the computer output from HOMES.

## Application of HOMES to the Republic of Korea

The information provided by HOMES is illustrated with an application to census data from the Republic of Korea. The number of households and the size of the civilian, noninstitutionalized population are projected to the year 2000 (Table 1). The projections show the average number of members per household to decline throughout the remainder of this century to 3.4 by the year 2000. There are no computational limits to how far forward in time households can be projected, so long as the required population projections are available.

The projections differentiate family households (those consisting of members who are related) from nonfamily households. Family households include intact households (those with a head and wife present) and single-headed households (those in which the head's spouse is absent). Nonfamily households include one-person households and primary-individual households (those with six or fewer unrelated members). Table 2, which shows the number and percentage of each household type by sex of the household head, does so only for 1980 and 2000; but these data and all other data reported in subsequent tables are available at five-year intervals for the entire projection span. Backward projection using historical population data is also easily accomplished.

Table 1. Actual and projected number of households, population size, and average household size: Republic of Korea, 1960–2000

| Year | Number of households | Population (1,000s) | Average household size |
|---|---|---|---|
| 1960 | 4,378 | 24,989 | 5.7 |
| 1966 | 5,192 | 29,160 | 5.6 |
| 1970 | 5,857 | 31,435 | 5.4 |
| 1975 | 6,761 | 34,769 | 5.1 |
| 1980 | 8,133 | 37,049 | 4.6 |
| 1985 | 9,529 | 39,902 | 4.2 |
| 1990 | 10,908 | 42,399 | 3.9 |
| 1995 | 12,302 | 44,743 | 3.6 |
| 2000 | 13,621 | 46,868 | 3.4 |

Note: Data for 1975 and earlier are census data and not adjusted for underenumeration. Population data for 1980 and later are adjusted for underenumeration and include only civilian, noninstitutionalized population.

Table 2. Household types: Republic of Korea, 1980 and 2000

| Household type | 1980 Number (1,000s) | 1980 % | 2000 Number (1,000s) | 2000 % |
|---|---|---|---|---|
| Family households | | | | |
| Intact | 6,299 | 77.5 | 10,703 | 78.6 |
| Single-head | | | | |
| Male | 379 | 4.6 | 583 | 4.3 |
| Female | 910 | 11.2 | 1,535 | 11.3 |
| All family households | 7,589 | 93.3 | 12,821 | 94.1 |
| Non-family households | | | | |
| Primary-individual | | | | |
| Male | 56 | 0.7 | 62 | 0.5 |
| Female | 63 | 0.8 | 72 | 0.5 |
| One-person | | | | |
| Male | 149 | 1.8 | 213 | 1.6 |
| Female | 276 | 3.4 | 454 | 3.3 |
| All nonfamily households | 544 | 6.7 | 800 | 5.9 |
| All household types | 8,133 | 100.0 | 13,621 | 100.0 |

Note: Columns may not sum to totals because of rounding.

Table 3. Age of household heads, by sex: Republic of Korea, 1980 and 2000

| Age of head | 1980 Number (1,000s) | 1980 % | 2000 Number (1,000s) | 2000 % |
|---|---|---|---|---|
| Male heads | | | | |
| 15–34 | 2,162 | 31.4 | 3,001 | 25.9 |
| 35–49 | 2,894 | 42.1 | 5,158 | 44.6 |
| 50–64 | 1,433 | 20.8 | 2,636 | 22.8 |
| 65+ | 393 | 5.7 | 766 | 6.7 |
| Total | 6,882 | 100.0 | 11,561 | 100.0 |
| Female heads | | | | |
| 15–34 | 339 | 27.1 | 408 | 19.8 |
| 35–49 | 384 | 30.7 | 670 | 32.5 |
| 50–64 | 386 | 30.9 | 687 | 33.4 |
| 65+ | 141 | 11.3 | 295 | 14.3 |
| Total | 1,250 | 100.0 | 2,060 | 100.0 |

Household projections tabulated by the age and sex of the household head are also available. Table 3 reports this information with four broad age categories aggregated from five-year age group data generated as primary output by HOMES.

HOMES calculates the number of members residing in each type of household. These data, when combined with the number of households of each type, can be used to calculate the average number of members per household (Table 4).

Table 5 shows how average household size varies with the age of the head and how it is projected to change in the future.

Information on the age and sex of household members is available. Table 6 shows the average number of members in three broad age categories

Table 4. Average household size, by household type: Republic of Korea, 1980–2000

| Household type | 1980 | 1985 | 1990 | 1995 | 2000 |
|---|---|---|---|---|---|
| Family households | | | | | |
| Intact | 5.0 | 4.6 | 4.3 | 4.0 | 3.8 |
| Single-head | | | | | |
| Male | 3.6 | 3.1 | 2.8 | 2.5 | 2.5 |
| Female | 3.8 | 3.3 | 3.0 | 2.7 | 2.5 |
| Non-family households | | | | | |
| Primary-individual | | | | | |
| Male | 2.2 | 3.1 | 4.3 | 3.5 | 3.8 |
| Female | 1.9 | 2.4 | 2.4 | 2.2 | 1.7 |
| One-person | | | | | |
| Male | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Female | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| All household types | 4.6 | 4.2 | 3.9 | 3.6 | 3.4 |

Table 5. Average household size, by age of head: Republic of Korea, 1980–2000

| Age of head | 1980 | 1985 | 1990 | 1995 | 2000 |
|---|---|---|---|---|---|
| 15–34 | 5.49 | 5.20 | 5.08 | 4.96 | 4.88 |
| 35–49 | 4.90 | 4.46 | 4.12 | 4.09 | 4.05 |
| 50–64 | 3.36 | 3.02 | 2.72 | 2.58 | 2.73 |
| 65+ | 2.17 | 1.69 | 1.35 | 1.39 | 1.80 |

Table 6. Average number of household members in family households, by age of members: Republic of Korea, 1980 and 2000

| Year and household type | Combined | Age of members | | | | | | Dependency ratio |
|---|---|---|---|---|---|---|---|---|
| | | 0–14 | | 15–64 | | 65+ | | |
| | | Male | Female | Male | Female | Male | Female | |
| 1980 | | | | | | | | |
| Intact | 5.0 | 0.95 | 0.89 | 1.53 | 1.44 | 0.04 | 0.14 | 0.68 |
| Single-head | | | | | | | | |
| Male | 3.8 | 0.43 | 0.38 | 1.70 | 1.07 | 0.07 | 0.13 | 0.36 |
| Female | 3.8 | 0.60 | 0.55 | 0.85 | 1.59 | 0.01 | 0.21 | 0.56 |
| 2000 | | | | | | | | |
| Intact | 3.8 | 0.49 | 0.45 | 1.34 | 1.28 | 0.09 | 0.13 | 0.44 |
| Single-head | | | | | | | | |
| Male | 2.5 | 0.15 | 0.14 | 1.39 | 0.54 | 0.16 | 0.12 | 0.30 |
| Female | 2.5 | 0.26 | 0.23 | 0.56 | 1.28 | 0.01 | 0.17 | 0.36 |

Note: Dependency ratio is the population under age 15 and over age 65 divided by the population of ages 15–64.

Table 7. Number and age of household members (1,000s), by age and sex of head: Republic of Korea, 1980

| Household type and age group | Combined | Age of members | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0–14 | | 15–64 | | 65+ | |
| | | Male | Female | Male | Female | Male | Female |
| Male heads | | | | | | | |
| 15–34 | 12,875 | 2,846 | 2,673 | 3,732 | 3,410 | 51 | 163 |
| 35–49 | 14,566 | 2,781 | 2,566 | 4,544 | 4,245 | 96 | 333 |
| 50–64 | 4,882 | 425 | 394 | 1,893 | 1,859 | 227 | 84 |
| 65+ | 803 | 99 | 89 | 175 | 140 | 163 | 137 |
| All male heads | 33,126 | 6,151 | 5,723 | 10,344 | 9,654 | 537 | 717 |
| Female heads | | | | | | | |
| 15–34 | 852 | 133 | 126 | 62 | 525 | 1 | 5 |
| 35–49 | 1,492 | 270 | 251 | 293 | 649 | 3 | 26 |
| 50–64 | 1,224 | 101 | 97 | 347 | 661 | 2 | 15 |
| 65+ | 354 | 42 | 34 | 68 | 64 | — | 146 |
| All female heads | 3,923 | 546 | 508 | 770 | 1,900 | 6 | 193 |

Note: Columns may not sum to totals because of rounding.

for family households in 1980 and 2000. The same information is also available for nonfamily households.

Table 7 reports the number and age of members in broad age categories, by the age and sex of the household heads. The average number of members can also be calculated.

HOMES also projects the relationship of household members to the household head. Table 8 reports the average number of males and females in each relationship category: head, spouse, child, grandchild, parent, and other.

Table 9 reports the percentage of males and females falling into each relationship category for 1980 and projected to 2000.

Table 8. Average number of household members in each relationship category, by age of head: Republic of Korea, 1980

| Relationship category | Combined | Age of head | | | |
|---|---|---|---|---|---|
| | | 15–34 | 35–49 | 50–64 | 65+ |
| Head | | | | | |
| Male | 0.85 | 0.90 | 0.87 | 0.73 | 0.56 |
| Female | 0.15 | 0.10 | 0.13 | 0.27 | 0.44 |
| Spouse | 0.77 | 0.79 | 0.84 | 0.67 | 0.41 |
| Child | | | | | |
| Male | 1.17 | 0.85 | 1.66 | 1.08 | 0.37 |
| Female | 1.06 | 0.80 | 1.50 | 0.92 | 0.37 |
| Grandchild | | | | | |
| Male | 0.07 | 0.00 | 0.02 | 0.23 | 0.57 |
| Female | 0.06 | 0.00 | 0.01 | 0.21 | 0.48 |
| Parent | | | | | |
| Male | 0.02 | 0.02 | 0.03 | 0.01 | 0.00 |
| Female | 0.13 | 0.15 | 0.15 | 0.07 | 0.01 |
| Others | | | | | |
| Male | 0.15 | 0.23 | 0.10 | 0.07 | 0.05 |
| Female | 0.12 | 0.19 | 0.07 | 0.06 | 0.06 |
| Combined | | | | | |
| Male | 2.26 | 2.01 | 2.68 | 2.12 | 1.56 |
| Female | 2.30 | 2.03 | 2.71 | 2.20 | 1.76 |

Table 9. Actual and projected percent distribution of household members, by relationship category: Republic of Korea, 1980 and 2000

| Relationship category | 1980 | | | 2000 | | |
|---|---|---|---|---|---|---|
| | Male | Female | Combined | Male | Female | Combined |
| Head | 18.6 | 3.4 | 22.0 | 24.7 | 4.4 | 29.1 |
| Spouse | — | 17.0 | 17.0 | — | 22.8 | 22.8 |
| Child | 25.7 | 23.3 | 49.0 | 19.4 | 16.9 | 36.2 |
| Grandchild | 1.5 | 1.3 | 2.9 | 1.1 | 0.9 | 2.0 |
| Parents | 0.5 | 2.8 | 3.3 | 0.8 | 4.3 | 5.1 |
| Other | 3.2 | 2.6 | 5.8 | 3.6 | 1.2 | 4.8 |
| Total | 49.5 | 50.5 | 100.0 | 49.6 | 50.5 | 100.0 |

Note: Columns may not sum to totals because of rounding.

# 2 DESCRIPTION OF THE MODEL

## Projecting the number and type of households

One of the primary objectives of HOMES is to project the number of households. The model uses a headship method whereby age- and sex-specific headship rates are multiplied by projected population data to obtain the number of household heads and, hence, the number of households.[1] Headship rates are calculated from census samples by dividing the number of household heads by the population of each age-sex group. Four types of households are distinguished: (1) intact households, households headed by a male with the spouse present; (2) single-headed households, households in which the head's spouse is not present; (3) one-person households; and (4) primary-individual households, households consisting of unrelated members. These four categories encompass all members of the population except the military and institutionalized populations, which are projected separately. The categorization of households is used for both methodological and substantive reasons. The average household size and composition vary considerably among the four types. For example, households in which the head and spouse are both present generally have more children living at home. Parents-in-law rarely live in households that are not intact. No relatives reside in one person and primary-individual households. Differences in household composition, in turn, affect behavior and social and economic status. In many countries, women who are household heads are more likely to work, for example, and intact households frequently enjoy higher standards of living than households with single heads.

In the East and Southeast Asian countries for which data have been analyzed,[2] intact households are the dominant household type (Table 10). Between 70 and 85 percent of all households are headed by a husband and wife. Likewise, the majority of the population—80 to 90 percent—of each country analyzed live in intact households. Households with a single head make up between 10 and 20 percent of all households and of the population. Single heads are considerably more likely to be women than men except in Taiwan. Although approximately 5 percent of all households in most of the countries are one-person households, only 1 percent or less of the

1. In all the results reported here, I have followed the convention of designating the husband, if present, the head of household, a practice in conformance with census procedures in most countries. There are some cases in Thailand where women are designated the head of intact households. I have changed their relationship to spouse of head and their husband's to household head.

2. Data sources include the 1976 Intercensal Survey of Indonesia; the 1970 and 1980 Censuses of the Republic of Korea; the 1980 Census of Malaysia; the 1975 Census of the Philippines; the 1980 Consumer Expenditure Survey of Taiwan; and the 1970 and 1980 Censuses of Thailand.

Table 10. Percent distribution of households and population, by household type: Six Asian countries, 1970–1980

| Country (year) | Household type | | | | | | |
|---|---|---|---|---|---|---|---|
| | Intact | Single-headed | | One-person | | Primary-individual | |
| | | Male | Female | Male | Female | Male | Female |
| Households | | | | | | | |
| Indonesia (1976) | 80.7 | 3.1 | 11.3 | 1.0 | 3.6 | 0.1 | * |
| Republic of Korea (1970) | 83.0 | 6.2 | 10.3 | 0.3 | 0.3 | n.a. | n.a. |
| Republic of Korea (1980) | 77.5 | 4.6 | 11.2 | 1.8 | 3.4 | 0.7 | 0.8 |
| Malaysia (1980) | 70.8 | 6.8 | 13.3 | 5.8 | 3.3 | n.a. | n.a. |
| Philippines (1975) | 84.9 | 5.4 | 7.1 | 1.4 | 0.8 | 0.3 | 0.1 |
| Taiwan (1980) | 84.4 | 7.7 | 4.1 | 3.1 | 0.8 | * | * |
| Thailand (1970) | 79.5 | 4.4 | 12.5 | 1.6 | 1.5 | 0.3 | 0.1 |
| Thailand (1980) | 78.0 | 4.7 | 13.0 | 1.8 | 1.8 | 0.5 | 0.3 |
| Population | | | | | | | |
| Indonesia (1976) | 87.3 | 2.6 | 9.0 | 0.2 | 0.8 | 0.1 | |
| Republic of Korea (1970) | 87.6 | 4.9 | 7.4 | * | 0.1 | n.a. | n.a. |
| Republic of Korea (1980) | 84.8 | 3.7 | 9.3 | 0.4 | 0.7 | 1.0 | |
| Malaysia (1980) | 78.3 | 6.9 | 13.1 | 1.1 | 0.6 | n.a. | n.a. |
| Philippines (1975) | 89.2 | 4.2 | 5.9 | 0.2 | 0.1 | 0.2 | |
| Taiwan (1980) | 89.1 | 6.9 | 3.2 | 0.6 | 0.2 | * | * |
| Thailand (1970) | 84.3 | 3.9 | 11.0 | 0.3 | 0.3 | 0.2 | |
| Thailand (1980) | 82.6 | 4.3 | 11.8 | 0.3 | 0.4 | 0.5 | |

* Less than 0.1 percent.

n.a.—not ascertained.

population of each country lives in a one-person household. Primary-individual households are rare in East and Southeast Asia; only in Korea do primary-individual households make up as much as 1 percent of the total. Despite their infrequency, however, primary-individual and one-person households are becoming more prevalent, if the experience of Korea and Thailand can be taken as a guide.

Households are further distinguished by the age and sex of the head. Figure 1 shows headship rates for households headed by men and women, obtained from special census tabulations for four Asian countries. Detailed rates are reported in Appendix A for all six. The age pattern of headship is quite similiar in all of the countries studied. For men the likelihood of being a household head increases from low levels among those under age 25 to a peak among the middle-aged. Thereafter, the rate of male headship declines. The only exception to this pattern is Taiwan. Headship rates for

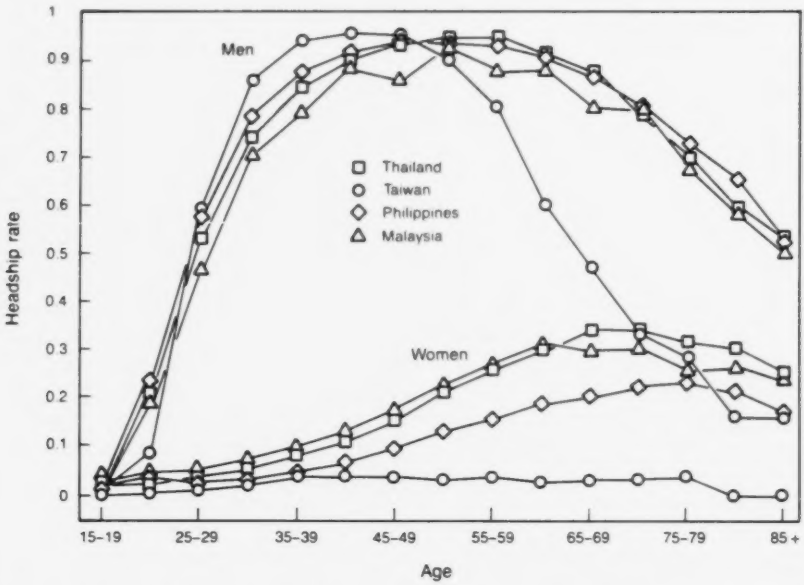


Figure 1. Headship rates for men and women, by age group: Thailand, Taiwan, the Philippines, and Malaysia, recent years

Taiwan decline much more precipitously among middle-aged men as their sons take over headship of the household. This difference is, however, largely a difference in definitions; the consumer expenditure survey on which the Taiwan data are based defines headship according to economic contribution to the household. Headship rates for women are substantially lower than for men, with a very different age pattern. Headship rates increase more slowly for young women than for young men, and the peak, if any, is much less clearly demarcated. For women in Indonesia (not shown), Malaysia, the Philippines, and Thailand headship rates increase up into the 60s and 70s. Among the countries studied the peak is earliest among Korean women, for whom headship rates peak at ages 55–59 (Appendix A).

Distinguishing among the different types of households requires more detailed rates than those shown in Figure 1. HOMES projects intact, single-headed, one-person, and primary-individual households based on headship rates (Appendix A) specific to each household type.

### *Intact households*

Headship rates for intact households are quite similiar to overall headship rates for men. Rates increase as men marry and establish households separate from their conjugal family or, remain in their conjugal family but receive the headship mantle from their father. The age of household headship varies, however, from country to country. In Indonesia, the Philippines, and Thailand, 15 to 25 percent of all men of ages 20–24 are the heads of intact households, whereas in the Republic of Korea and Taiwan fewer than 6 percent of men in this age group head intact households. Among men in their early 30s, however, from 70 to 80 percent head intact households. For men in their 40s, the rate increases to 85 to 95 percent in all of the countries studied.

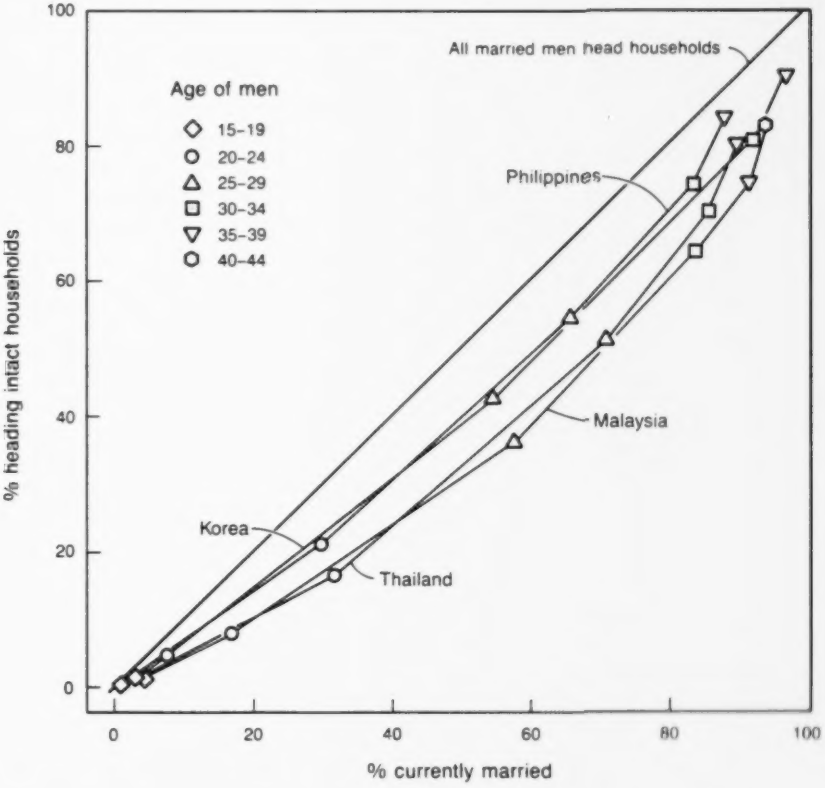


Figure 2. Relationship of marriage to intact household headship among men in Thailand, Republic of Korea, the Philippines, and Malaysia, recent years

Age at marriage is an important proximate determinant of the timing of intact headship. Using the most recently available data, the percentage of men heading intact households is plotted against the percentage married for four countries in Figure 2. Were household structure purely nuclear, the plotted lines would lie along the principal diagonal because all married men would be household heads. The vertical distance from the diagonal gives the percentage of men who are married and not the heads of households. Becoming a household head, then, is closely related to marriage, but many men do not become household heads immediately. In particular, the delays in Indonesia (not shown), Malaysia, and Thailand are somewhat greater than in the Republic of Korea, the Philippines, and Taiwan (not shown).

As men proceed through their 50s and into their later years, fewer continue to head households. The pace at which the rates decline varies, however, from country to country. Of men between ages 75 and 79, nearly 70 percent head intact households in Indonesia, in contrast to barely 20 percent in Taiwan. The decline in intact household headship is counterbalanced in part by the increase in single headship—the shift being a consequence of mortality among wives. The remaining decline in intact headship is almost entirely a consequence of a shift of the head designation to a son or son-in-law. What determines the age at which the shift occurs? Analysis of data reported in Mason and Martin (1985) shows a rough correlation between the headship transition and the completion of childrearing. The phenomenon is particularly noteworthy in Taiwan, where the decline in headship is greatest (Freedman et al. 1978, 1982).

### *Single-headed and nonfamily households*

Headship rates for single-headed and one-person households vary substantially with the age and sex of the head (Figure 3). In general, young adults are somewhat more likely to head nonintact households than are middle-aged adults, but headship rates are particularly high among older women and, to a lesser extent, older men. The increase in single headship for men and women is primarily a consequence of mortality among spouses. The fact that women have greater longevity and are thus more likely to be widowed than are men is one of the principal reasons for the high rates of single headship among women. Of course, the data on marital status for the elderly presented in Table 11 do not indicate the extent to which men are less likely to be widowed because they have remarried. For women, the decline in single headship at older ages, where observed, is associated with the completion of childrearing, at which time adult sons assume headship of the household (Mason and Martin 1986). Nonfamily households (one-person and primary-individual households) are uncommon in Asian countries. The detailed headship rates in Appendix A show that headship rates for one-person households rarely exceed 10 percent and for primary-

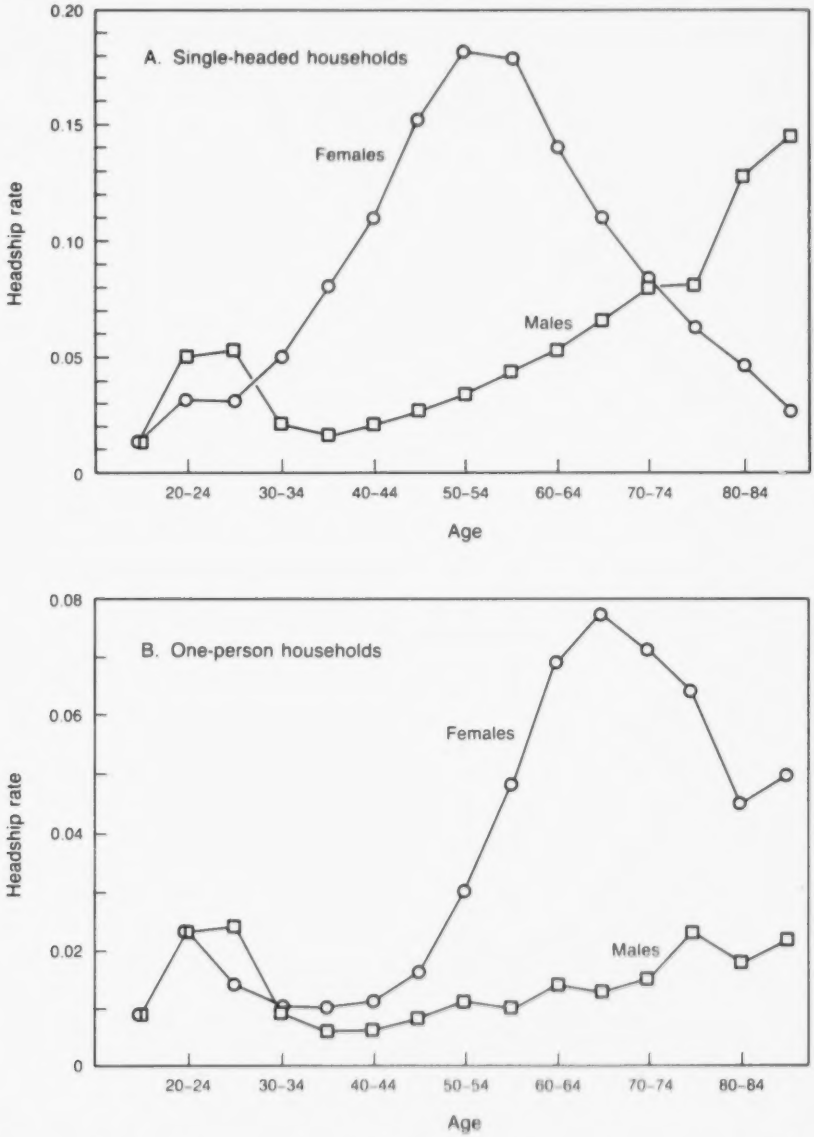


Figure 3. Headship rates for single-headed and one-person households, by age and sex of the household head: Republic of Korea, 1980

Table 11. Marital status of men and women ages 65 and older: Six Asian countries, 1980

| Country (year) | Single | Married | Widowed | Divorced |
|---|---|---|---|---|
| Indonesia (1980) | | | | |
| Male | 0.013 | 0.813 | 0.154 | 0.020 |
| Female | 0.014 | 0.251 | 0.682 | 0.053 |
| Republic of Korea (1980) | | | | |
| Male | 0.002 | 0.799 | 0.197 | 0.002 |
| Female | 0.001 | 0.243 | 0.754 | 0.002 |
| Malaysia (1980) | | | | |
| Male | 0.038 | 0.761 | 0.172 | 0.030 |
| Female | 0.021 | 0.297 | 0.608 | 0.073 |
| Philippines (1980) | | | | |
| Male | 0.034 | 0.762 | 0.193 | 0.007 |
| Female | 0.082 | 0.410 | 0.496 | 0.009 |
| Taiwan (1980) | | | | |
| Male | 0.105 | 0.655 | 0.203 | 0.037 |
| Female | 0.010 | 0.403 | 0.575 | 0.012 |
| Thailand (1980) | | | | |
| Male | 0.014 | 0.712 | 0.206 | 0.020 |
| Female | 0.019 | 0.335 | 0.584 | 0.024 |

Sources: Martin (1985); Taiwan Bureau of Statistics (1985).

individual households rarely exceed 1 percent. One-person households are, in general, considerably more prevalent among the elderly than among younger adults. Among men, rates of one-person headship are highest in Taiwan and lowest in the Republic of Korea. Among women, rates are lowest in Taiwan and highest in Indonesia, approaching 20 percent among women of ages 75–84. Primary-individual households are rare, but rates have increased marginally in recent years and households with unrelated individuals may become more important in the future.

## Projecting trends in headship rates

Although many applications of the headship rate method have held rates constant at their base-year values, it is increasingly common to provide for changing headship rates, either by extrapolating the recent trend (U.S. Bureau of the Census 1979) or by tying headship rates to a measure of socioeconomic development. The United Nations (1981:12) report on household projections concludes that:

> The available data indicate that headship rates have generally increased over time in all age-sex groups. . . . These increases are suspected to

> be related to rapid economic growth, which has occurred in many developed countries in the 1960s. Higher levels of economic growth and development definitely favor increased nuclearization of households. . . .

Data are not adequate to extend this generalization to developing or to Asian countries. The United Nations study reports headship rates at two time points for only four developing countries and for only two Asian countries, Japan and Singapore. This Asian data, supplemented with headship rates for the Republic of Korea and Thailand, are presented in Table 12 and support a somewhat weaker conclusion. Except for Japan, headship rates

Table 12. Changes in headship rates, by age and sex: Four Asian countries, 1960–1980

| Country (year) | Age | | | | | |
|---|---|---|---|---|---|---|
| | 15–24 | 25–34 | 35–44 | 45–54 | 55–64 | 65+ |
| Singapore (1966)[a] | | | | | | |
| Male | 7.1 | 49.8 | 80.5 | 88.9 | 85.7 | 63.0 |
| Female | 1.1 | 5.3 | 11.5 | 22.6 | 28.3 | 24.7 |
| Singapore (1970) | | | | | | |
| Male | 6.3 | 49.9 | 79.9 | 85.5 | 81.8 | 65.6 |
| Female | 2.0 | 6.4 | 14.0 | 24.8 | 20.1 | 24.2 |
| Japan (1960)[a] | | | | | | |
| Male | 4.3 | 51.5 | 81.7 | 92.7 | 91.1 | 63.1 |
| Female | 1.0 | 3.3 | 10.5 | 17.5 | 14.4 | 10.4 |
| Japan (1970) | | | | | | |
| Male | 11.3 | 61.5 | 82.7 | 91.3 | 91.7 | 68.2 |
| Female | 3.9 | 4.3 | 7.9 | 15.9 | 18.5 | 13.2 |
| Republic of Korea (1970)[b] | | | | | | |
| Male | 5.9 | 65.2 | 92.6 | 96.5 | 91.2 | 62.7 |
| Female | 1.4 | 3.6 | 10.6 | 14.8 | 11.1 | 5.6 |
| Republic of Korea (1980) | | | | | | |
| Male | 6.7 | 67.7 | 93.8 | 96.7 | 93.9 | 69.9 |
| Female | 4.5 | 5.6 | 10.8 | 19.0 | 22.0 | 15.6 |
| Thailand (1970)[b] | | | | | | |
| Male | 11.0 | 65.2 | 88.0 | 94.2 | 91.7 | 76.0 |
| Female | 1.0 | 3.6 | 9.1 | 19.5 | 27.8 | 29.6 |
| Thailand (1980) | | | | | | |
| Male | 11.0 | 63.4 | 87.3 | 94.2 | 93.1 | 78.9 |
| Female | 1.4 | 4.2 | 9.4 | 18.1 | 28.0 | 32.9 |

a. Source of data for Singapore and Japan: United Nations (1981).

b. Values are simple averages of five-year group ratios; 65+ is a simple average of ages 65–69, 70–74, and 75–79. Data for Republic of Korea and Thailand are from Appendix A.

for men have been relatively constant. Of the twenty-four age–country categories for men, about one-half show increases of more than 0.2 percent and about one-third show declines of more than 0.2 percentage points. Among women, about three-quarters of the values increase and about one-quarter decline. Thus, among these four Asian countries, the overall trend, particularly among women, appears to be toward higher headship rates, but increases are by no means uniform and at many ages rates have declined.

Any conclusion about why headship rates have changed is probably premature. In many countries, changes are correlated with socioeconomic development, but underlying demographic changes—changes in mortality, fertility, and the sex ratio—probably play an important role as well. The impact of changes in the sex ratio, in particular, has been neglected. Intact households provide a clear case in which ignoring the sex ratio is unwise. Fixed headship rates imply changing "spouseship" rates and, given declines in the relative number of available women, the required number of spouses may even exceed the number available.

Changes in headship (and marriage) should be influenced by changes in the relative number of women of marriageable age. Women in the Asian countries examined here most frequently marry men somewhat older than themselves. Fluctuations in the sex ratio are illustrated in Figure 4, which charts the number of women ages 45–49 divided by the number of men ages 50–54 in Indonesia, the Republic of Korea, and Thailand. The ratio has changed radically in these countries over the last twenty-five years and is expected to change radically in the future, as well. A number of factors account for the shifts observed. Age–sex selective mortality is important in countries with war-time experience, such as the Republic of Korea. Age–sex selective migration is important in other countries, such as Taiwan. Sudden changes in fertility, experienced in a number of Asian countries, also affect the sex ratio.

HOMES captures the impact of the changing sex ratio on intact household headship, as shown in equation (1):

$$h_t(x) = h_0(x) \sum_{w} d_0(x,w)[(1+s_t(x,w))/(1+s_0(x,w))] \qquad (1)$$

where $h$ is the headship rate for men age $x$ in the current or in the base year, $d$ is the fraction of heads age $x$ married to women age $w$ in the base year, and $s$ is the ratio of women age $w$ to men age $x$ in the current or the base year. The summation term is a weighted average of a measure of the change in the sex ratio, where the weights depend on the age distribution of marriage for intact household heads and their wives. Headship rates for nonintact households are held constant at the base-year levels.

Table 13 shows the application of the procedure to Korean men ages 40–44. Column 2 shows the age distribution of wives married to house-

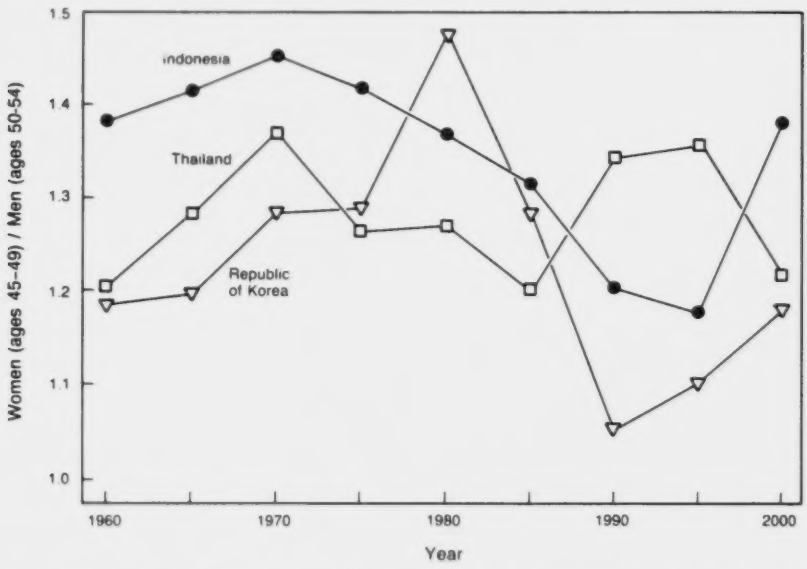


Figure 4. Actual and projected sex ratio trends: Indonesia, Thailand, and Republic of Korea, 1960–2000

hold heads ages 40–44. Because the majority are between the ages of 30 and 44 changes in the availability of women in these age groups will primarily determine changes in the headship rate. Column 7 shows a decline in the availability of women ages 30–34 (the value is less than one) but an increase in the availability of women ages 35–44 (the values exceed one). The net impact of changes in the sex ratio is quite small, effecting an increase in the headship rate of only 0.18 percent (the last value in column 8 is 1.0018). Hence, the headship rate is calculated to increase from 0.914 to 0.916 for men ages 40–44.

## Projecting household membership

For each type of household, HOMES projects the number of male and female members in five-year age groups, based on the members' relationship to the head. Five relationships are distinguished: spouses, children, grandchildren, parents, and other household members. Because household structure in the East and Southeast Asian countries studied is predominantly lineal, children, grandchildren, and parents, along with heads and spouses, make up the majority of household members. As shown in Table

Table 13. Calculation of actual and projected headship rates among men of ages 40–44: Republic of Korea, 1980 and 2000

| | Base-year data<br>Men (40–44): 1,094,990<br>Headship rate: 0.914 | | | | Data for year 2000<br>Men (40–44): 1,967,694<br>Headship rate: 0.916 | | | |
|---|---|---|---|---|---|---|---|---|
| | Number of spouses | | Number of women | | Sex ratio (s) | | | |
| Age of spouse | Actual (1) | Distribution (2) | 1980 (3) | 2000 (4) | 1980 (5) | 2000 (6) | [1 + s (2000) ÷ [1 + s (1980)] (7) | Col. 2 × Col. 7 (8) |
| 15–19 | 51 | 0.0001 | 2,076,360 | 1,823,548 | 1.896 | 0.927 | 0.665 | 0.0001 |
| 20–24 | 1,215 | 0.0012 | 1,955,909 | 1,828,127 | 1.786 | 0.929 | 0.692 | 0.0008 |
| 25–29 | 17,375 | 0.0174 | 1,480,609 | 2,117,104 | 1.352 | 1.076 | 0.883 | 0.0154 |
| 30–34 | 166,924 | 0.1668 | 1,202,050 | 2,078,702 | 1.098 | 1.056 | 0.980 | 0.1635 |
| 35–39 | 495,362 | 0.4950 | 1,108,531 | 2,034,701 | 1.012 | 1.034 | 1.011 | 0.5004 |
| 40–44 | 300,160 | 0.2999 | 1,065,223 | 1,953,538 | 0.973 | 0.993 | 1.010 | 0.3029 |
| 45–49 | 18,933 | 0.0189 | 894,557 | 1,441,981 | 0.817 | 0.733 | 0.954 | 0.0180 |
| 50–54 | 337 | 0.0003 | 716,293 | 1,168,655 | 0.654 | 0.594 | 0.964 | 0.0003 |
| 55–59 | 258 | 0.0003 | 601,678 | 1,030,022 | 0.549 | 0.523 | 0.983 | 0.0003 |
| 60–64 | 44 | 0.0000 | 452,815 | 955,896 | 0.414 | 0.486 | 1.051 | 0.0000 |
| 65–69 | 47 | 0.0000 | 360,016 | 756,719 | 0.329 | 0.385 | 1.042 | 0.0000 |
| 70–74 | 0 | 0.0000 | 264,759 | 538,098 | 0.242 | 0.273 | 1.025 | 0.0000 |
| 75–79 | 45 | 0.0000 | 156,156 | 334,505 | 0.143 | 0.170 | 1.024 | 0.0000 |
| 80–84 | 0 | 0.0000 | 86,698 | 187,068 | 0.079 | 0.095 | 1.015 | 0.0000 |
| 85+ | 0 | 0.0000 | 41,576 | 89,536 | 0.038 | 0.046 | 1.008 | 0.0000 |
| Total | 1,000,751 | 1.0000 | 12,463,230 | 18,338,200 | | | | 1.0018 |

Notes: Data in columns 1 and 3 were obtained from the 1980 census; data in Column 4 are from population projections. Column 2 is based on Column 1. Columns 5 and 6 are the ratios of women of each age group to men of ages 40–44.

14, fewer than 10 percent (Malaysia excepted) of the household members fall in the residual category, "other members." Children are the most prevalent household members, composing close to half of all members in all countries. Parents and grandchildren are relatively rare, together making up less than 10 percent of the household members, even though the extended family is the prevailing norm in the countries represented.

Household membership varies considerably depending on the type of household. As illustrated by Table 15, which reports data for the Philippines and Taiwan, children are less frequently found in households with single heads and particularly single male heads than in intact households. In both countries, other household members, and in Taiwan parents of heads, are much more frequently observed in households headed by a single person.

HOMES projects household membership separately for each type of household. The following sections describe current characteristics of household composition and the procedures used to project changes in household composition.

### *Number of spouses*

In all of the countries considered, the majority of women marry and with their husbands establish households, thus fulfilling the two conditions for being designated the spouse of a household head. The data in Table 16 report the proportion of women, by age group, who are spouses of a household head. In each country the likelihood of being a spouse increases through the 20s and early 30s, peaking among women in their 30s or early 40s. Thereafter, women are less likely to be the spouse of a household head.

Table 14. Percent distribution of household members, by relationship category: Six Asian countries, 1970–1980

| Country (year) | Relationship category | | | | | |
|---|---|---|---|---|---|---|
| | Head | Spouse | Child | Grand-child | Parent | Other |
| Indonesia (1976) | 20.6 | 17.4 | 52.3 | 3.6 | 1.4 | 4.8 |
| Republic of Korea (1970) | 18.6 | 15.5 | 51.5 | 3.2 | 3.7 | 7.6 |
| Republic of Korea (1980) | 21.9 | 16.9 | 48.9 | 2.9 | 3.3 | 5.8 |
| Malaysia (1980) | 18.8 | 13.3 | 47.5 | 5.3 | 1.8 | 13.4 |
| Philippines (1975) | 16.9 | 14.4 | 57.1 | 2.8 | 0.9 | 8.0 |
| Taiwan (1980) | 20.6 | 17.4 | 48.3 | 2.5 | 6.0 | 5.2 |
| Thailand (1970) | 17.5 | 14.0 | 56.1 | 5.1 | 0.8 | 6.6 |
| Thailand (1980) | 19.4 | 15.2 | 52.5 | 5.6 | 1.6 | 5.6 |

Table 15. Percent distribution of household members by relationship category and household type: Philippines, 1975, and Taiwan, 1980

| Relationship category | Household type | | | | | | |
|---|---|---|---|---|---|---|---|
| | Intact | Single-headed | | One-person | | Primary-individual | |
| | | Male | Female | Male | Female | Male | Female |
| Philippines | | | | | | | |
| Head | 16.1 | 21.4 | 20.4 | 100.0 | 100.0 | 28.0 | |
| Spouse | 16.1 | | | | | | |
| Child | 58.4 | 39.3 | 56.4 | | | | |
| Grandchild | 2.3 | 4.9 | 8.7 | | | | |
| Parent | 0.8 | 3.1 | 1.0 | | | | |
| Other | 6.3 | 31.3 | 13.6 | | | 72.0 | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| Taiwan | | | | | | | |
| Head | 19.5 | 23.0 | 26.0 | 100.0 | 100.0 | | |
| Spouse | 19.5 | | | | | | |
| Child | 51.1 | 22.9 | 37.2 | | | | |
| Grandchild | 2.3 | 4.6 | 3.1 | | | | |
| Parent | 4.4 | 22.2 | 14.9 | | | | |
| Other | 3.2 | 27.3 | 18.9 | | | | |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |

There are important differences among countries in the age profile of spouses. In Thailand, for example, rates peak at a somewhat lower level than in other countries, reflecting higher rates of celibacy. A more rapid decline of rates among older women reflects, for Indonesia, higher rates of mortality among husbands and, for Taiwan, the transfer of headship to surviving sons (Mason and Martin 1985.)

HOMES not only projects the number of women in each age group who are spouses but also identifies the ages of their husbands. Table 17 shows the proportion of spouses ages 40–44 who are married to men younger, the same age, and older than themselves for each country. Typically, women in Asia marry men who are older than themselves. In the Philippines and Thailand, however, a substantial percentage of women marry younger men.

Projecting the number of spouses is intrinsically tied to the projection of intact households because each intact household implies one household head and one spouse. In the absence of changes in the sex ratio (both within and across age groups), the proportion of women in each age group

Table 16. Proportion of women over age 15 who are spouses of a household head, by age group: Six Asian countries, 1970–1980

| Country (year) | Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15–19 | 20–24 | 25–29 | 30–34 | 35–39 | 40–44 | 45–49 | 50–54 | 55–59 | 60–64 | 65–69 | 70–74 | 75+ |
| Indonesia (1976) | .15 | .53 | .76 | .83 | .82 | .76 | .68 | .58 | .44 | .29 | .23 | .15 | .08 |
| Republic of Korea (1970) | .02 | .30 | .72 | .83 | .82 | .79 | .72 | .61 | .49 | .35 | .22 | .12 | .05 |
| Republic of Korea (1980) | .01 | .23 | .70 | .84 | .85 | .84 | .77 | .64 | .51 | .37 | .24 | .12 | .04 |
| Malaysia (1980) | .04 | .27 | .56 | .70 | .75 | .79 | .71 | .62 | .50 | .37 | .26 | .16 | .06 |
| Philippines (1975) | .08 | .37 | .63 | .78 | .83 | .82 | .79 | .73 | .67 | .56 | .46 | .31 | .15 |
| Taiwan (1980) | .02 | .32 | .71 | .88 | .91 | .91 | .81 | .67 | .47 | .33 | .19 | .11 | .05 |
| Thailand (1970) | .08 | .34 | .59 | .74 | .78 | .79 | .75 | .66 | .56 | .45 | .34 | .20 | .09 |
| Thailand (1980) | .05 | .32 | .56 | .69 | .75 | .78 | .75 | .69 | .61 | .48 | .35 | .24 | .12 |

Table 17. Age differences between household heads and spouses

| Country (year) | Age of household head | | | |
|---|---|---|---|---|
| | Younger | Same age | 5 years older | 10+ years older |
| Indonesia (1975) | .044 | .156 | .407 | .384 |
| Republic of Korea (1970) | .017 | .274 | .410 | .297 |
| Republic of Korea (1980) | .019 | .350 | .487 | .178 |
| Malaysia (1980) | .057 | .270 | .345 | .328 |
| Philippines (1975) | .112 | .364 | .335 | .189 |
| Taiwan (1980) | .022 | .384 | .383 | .209 |
| Thailand (1970) | .092 | .336 | .359 | .193 |
| Thailand (1980) | .095 | .362 | .350 | .186 |

Note: The age difference is measured using the midpoints of the five-year age groups to which spouse and head belong.

projected to be a spouse would be held constant. Furthermore, given unchanging sex ratios the joint age-distribution of heads and spouses would be held constant. As sex ratios do change over time, however, the proportion of women who are spouses changes. Declines in the relative availability of men lead to declines in the proportion of women who are the spouses of a household head. The proportion of women who are the spouses of a household head is calculated as:

$$h'_t(w) = h'_0(w) \sum_x d'_0(x,w)[(1+s'_t(x,w))/(1+s'_0(x,w))] \qquad (2)$$

where $h'$ is the proportion of women aged $w$ who are spouses, $d'$ is the proportion of spouses age $w$ with husbands age $x$, and $s'$ is the ratio of men age $x$ to women age $w$ where subscripts indicate either the base year (0) or the year to be calculated ($t$). Equation (2) along with equation (1), which determines headship rates, ensure that the number of heads age $x$ with wives age $w$ equals the number of wives age $w$ with husbands age $x$.

### *Number of children*

Without exception, more people fall into the category of child of a household head than into any other relationship category, reflecting the young age structures of the countries reviewed and family structures in which many individuals remain the child of a household head into their 20s and even their 30s. Table 18 reports the proportion of females who are children of a household head for each country. For girls under age 15, between 75 and 90 percent are children of a household head. (Nearly all of the remaining are grandchildren of a head.) At older ages, as women establish households separate from their parents, a smaller proportion are children of a

Table 18. Proportion of females under age 40 who are daughters of a household head, by age group: Six Asian countries, 1970–1980

| Country (year) | Age group | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0–4 | 5–9 | 10–14 | 15–19 | 20–24 | 25–29 | 30–34 | 35–39 |
| Indonesia (1976) | .875 | .916 | .889 | .708 | .381 | .165 | .074 | .035 |
| Republic of Korea (1970) | .880 | .898 | .865 | .664 | .393 | .147 | .090 | .054 |
| Republic of Korea (1980) | .882 | .929 | .900 | .695 | .456 | .175 | .070 | .043 |
| Malaysia (1980) | .762 | .830 | .837 | .678 | .382 | .182 | .100 | .053 |
| Philippines (1975) | .879 | .908 | .884 | .729 | .465 | .254 | .128 | .074 |
| Taiwan (1980) | .835 | .923 | .923 | .857 | .497 | .181 | .052 | .019 |
| Thailand (1970) | .819 | .872 | .876 | .788 | .532 | .300 | .167 | .102 |
| Thailand (1980) | .747 | .855 | .873 | .786 | .541 | .329 | .201 | .122 |

head. These proportions vary substantially, however, among the countries represented. At one extreme, Thai daughters are particularly likely to remain at home to an older age. Indonesian females, in contrast, are much less likely to be daughters of a household head after they reach their 20s and 30s.

Projecting the number of children of heads residing in households requires knowing the number of candidates for this type of household membership. That is, if all surviving offspring decided to live with their parents, how many of each age and sex would reside in each type of household?

This question can be answered using a technique introduced by Mason and Martin (1982). Suppose that there are 1 million boys who are 10 years old in 1980. All are candidates to be the son of a household head, but it is not known how they are distributed among the alternative households. Ignoring some minor details, all of the boys were born in 1970. Based on birth records, we know that, for example, 5 percent were born to women ages 15–19, 20 percent to women ages 20–24, and 35 percent to women ages 25–29. Therefore, in 1980, approximately 5 percent of the 10-year-old boys, or 50,000 of the 1 million surviving offspring, will be the sons of mothers who are currently ages 25–29 and candidates to be the son of a head in households with women ages 25–29. Likewise, 20 percent, or 200,000, of the boys will be the sons of women who are currently ages 30–34 and candidates for membership in households containing these women. The remaining 10-year-old sons, as well as sons and daughters of other ages, are distributed in the same way.

Figure 5 illustrates the use of offspring data from four Asian countries to show the impact of declining fertility on the number of children. Each panel shows the number of surviving offspring under age 15 divided by the total (male and female) population of the mother's cohort. In Japan,

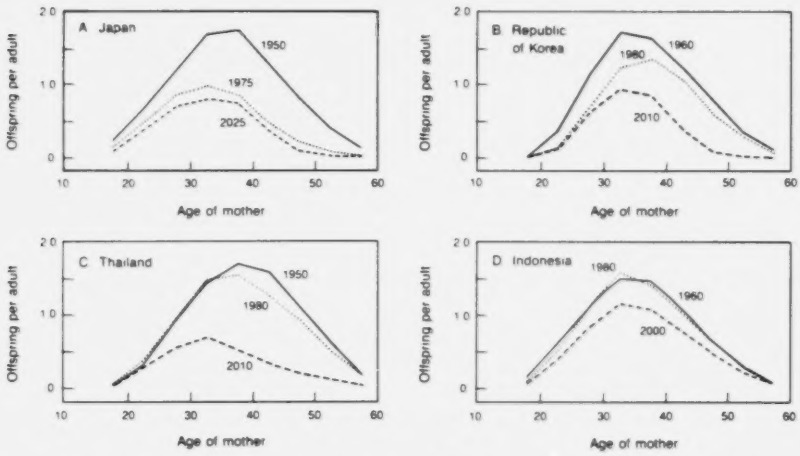


Figure 5. Actual and projected ratios of offspring under age 15 to adults, by age of mother: Japan, Republic of Korea, Thailand, and Indonesia

the number of young offspring per adult is not expected to decline much further from its already low level. But in the Republic of Korea, Thailand, and Indonesia substantial declines are anticipated. Thus, the number of children per household should decline in these countries, and because the timing of fertility is changing, children should be increasingly concentrated in households containing younger women.

The offspring data quantify only the potential number of persons who may be the children of a household head. Some of those under age 15 will be the grandchild of a head or another household member, and, a small percentage of adults will be the children of a head. The HOMES model, however, combines the data on the number of offspring with the number of individuals observed to be the child of a head in the base year to calculate rates of incidence. The model uses these values in conjunction with projected offspring data to project the number of children of the household head.

Table 19 illustrates this procedure, with data for the Malay population of Malaysia. The first four rows report the number of sons who are living in households headed by their mother or their father as estimated from the 1980 census. Of the 449,190 Malay males of ages 0–4 in 1980, 367,256 (about 82 percent) were the sons of a household head. The remaining boys were grandsons of a household head or had another relationship to a head.

Table 19. Illustration of methodology for projecting offspring of a household head (sons of ages 0–4): Malay heads, Malalysia, 1980

| Item | Total | Age of mother | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 15–19 | 20–24 | 25–29 | 30–34 | 35–39 | 40–44 | 45–49 | 50–54 |
| Number of sons of head observed living in household[a] | | | | | | | | | |
| Intact | 340,397 | 7,453 | 65,834 | 105,175 | 76,138 | 49,308 | 28,440 | 6,499 | 1,550 |
| Single female head | 22,803 | 120 | 4,260 | 6,540 | 5,820 | 3,063 | 2,160 | 780 | 60 |
| Single male head[b] | 4,056 | 119 | 629 | 1,042 | 853 | 540 | 465 | 267 | 142 |
| Total | 367,256 | 7,692 | 70,723 | 112,757 | 82,811 | 52,911 | 31,065 | 7,546 | 1,752 |
| Number of surviving sons | | | | | | | | | |
| Offspring weights[c] | 1.000 | 0.019 | 0.204 | 0.309 | 0.229 | 0.145 | 0.075 | 0.017 | 0.002 |
| Surviving males, 0–4[d] | 449,190 | 8,669 | 91,500 | 138,934 | 102,640 | 65,312 | 33,779 | 7,636 | 898 |
| r2[e] | 0.817595 | 0.859693 | 0.719497 | 0.757011 | 0.741797 | 0.754958 | 0.841941 | 0.851074 | 1.725327 |
| Number of households[a] | | | | | | | | | |
| Intact | 788,451 | 18,245 | 101,358 | 159,014 | 141,365 | 117,932 | 110,958 | 77,750 | 61,829 |
| Single female head | 85,740 | 180 | 3,240 | 11,280 | 12,300 | 12,720 | 12,720 | 17,040 | 16,260 |
| Single male head[b] | 46,182 | 7,466 | 11,221 | 5,896 | 4,748 | 5,227 | 4,448 | 3,984 | 3,194 |
| Total | 920,373 | 25,891 | 115,819 | 176,190 | 158,413 | 135,879 | 128,126 | 98,774 | 81,283 |
| Distribution of sons of head by household type[f] | | | | | | | | | |
| Intact | 0.927 | 0.969 | 0.931 | 0.933 | 0.919 | 0.932 | 0.915 | 0.861 | 0.885 |
| Single female head | 0.062 | 0.016 | 0.060 | 0.058 | 0.070 | 0.058 | 0.070 | 0.103 | 0.034 |
| Single male head | 0.011 | 0.015 | 0.009 | 0.009 | 0.010 | 0.010 | 0.015 | 0.035 | 0.081 |
| Total | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Distribution of households by household type[g] | | | | | | | | | |
| Intact | 0.857 | 0.705 | 0.875 | 0.903 | 0.892 | 0.868 | 0.866 | 0.787 | 0.761 |
| Single female head | 0.093 | 0.007 | 0.028 | 0.064 | 0.078 | 0.094 | 0.099 | 0.173 | 0.200 |
| Single male head | 0.050 | 0.288 | 0.097 | 0.033 | 0.030 | 0.038 | 0.035 | 0.040 | 0.039 |
| Total | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| $k$ values[h] | | | | | | | | | |
| Intact | 1.082 | 1.375 | 1.064 | 1.034 | 1.030 | 1.074 | 1.057 | 1.094 | 1.163 |
| Single female head | 0.667 | 2.244 | 2.153 | 0.906 | 0.905 | 0.618 | 0.700 | 0.599 | 0.171 |
| Single male head | 0.220 | 0.053 | 0.092 | 0.276 | 0.344 | 0.266 | 0.431 | 0.876 | 2.063 |

a. Tabulated from 1980 Census sample.

b. Distributed by absent spouse's age using distribution for intact households.

c. Offspring weights based on age distribution of births.

d. Total from census tabulation; other values obtained by applying offspring weights.

e. Ratio of sons of head to surviving males.

f. Calculated using tabulation of number of sons.

g. Calculated using tabulation of number of households.

h. Ratio of distribution of sons to distribution of heads.

Rows five and six provide an estimate of the number of surviving male offspring. Dividing the number of sons by the number of surviving offspring yields an estimate, denoted *r*2, of the likelihood that surviving offspring will be sons of a household head.

Figure 6 shows the likelihood of being a son or daughter of a household head, as calculated from 1980 Korean census data. By the time children in the Republic of Korea reach their late teens, some are beginning to live away from their parents. Thus, the likelihood of being a son or daughter of a household head declines steadily with age. Because women marry at a younger age than do men, the likelihood of being the offspring of a household head is lower for females than for males in their 20s. Even among offspring under age 15, however, the likelihood of being the child of a head is generally below 1. Although nearly all children under age 15 live with their mothers or fathers, their mothers or fathers are not necessarily the household head; many parents of children under age 5 have not yet established separate households. Thus, a substantial percentage of these offspring are grandchildren rather than children of a household head.

The likelihood of being a child of a household head also varies with the age of the offspring's mother. Offspring of very young mothers may be less likely to be a child of a head because their parents cannot afford to establish their own households. On the other hand, offspring of older women may not be a child of a head because their mother and/or father is deceased. Offspring of older women are, on average, higher parity births and more likely to belong to families of lower socioeconomic status characterized by a more traditional family structure. Beyond behavioral, cultural, and demographic factors, the rates are affected by errors in calculating the distribution of surviving offspring, misreporting of age and relationship and other errors affecting the census data, and the inclusion of stepchildren, in-laws, and adopted children in the numerator.

Variation in the likelihood of older children being the offspring of a head also reflects intraclass variation. Because members of any cohort with older mothers are older than members of their cohort with younger mothers, they are less likely to live at home.

The remainder of Table 19 is devoted to procedures used to allocate the number of sons among the three household types. The principle underlying the calculations is that children will be distributed among households in proportion to the prevalence of those households. If the number of single-headed households increases relative to the number of intact households, then the number of children residing in single-headed households will increase in similiar fashion. The principle is made operational in the following way. For each age group, the distribution of households by type and the distribution of sons of household heads by type of household are both calculated. For example, intact households make up 90.3 percent of the

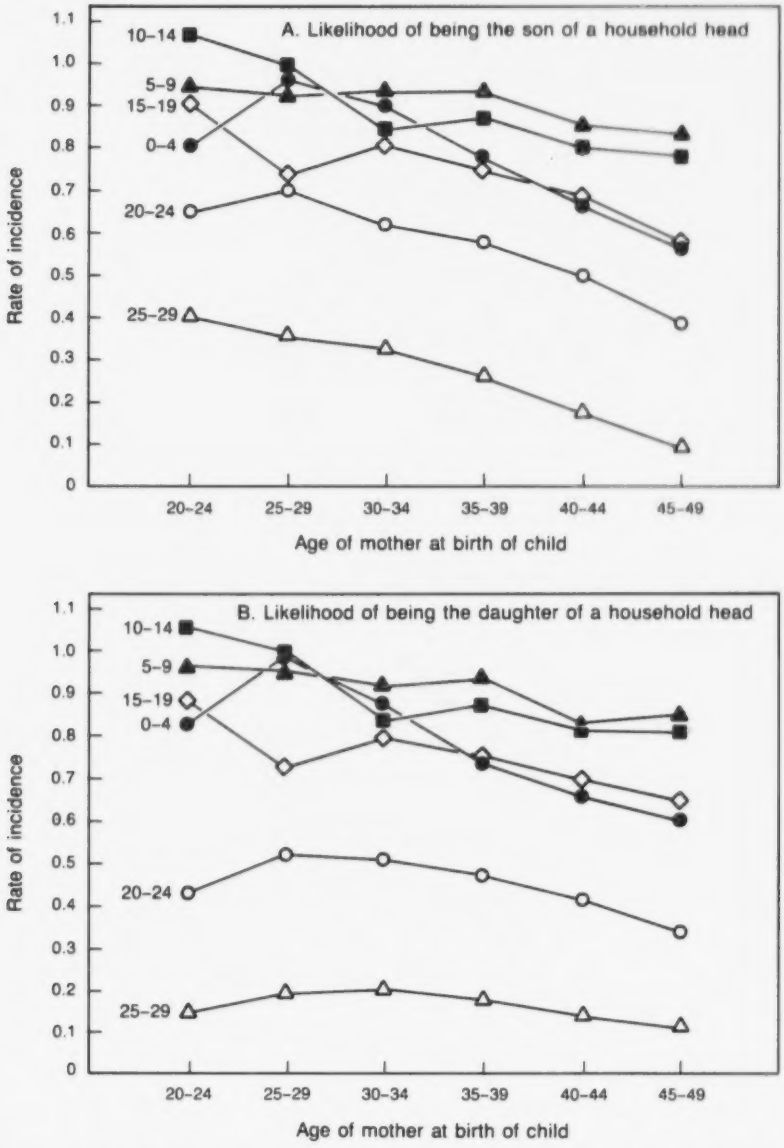


Figure 6. Likelihood of a child, age 0–29, being the offspring of a household head, by age of mother: Republic of Korea, 1980

households with a female head or spouse ages 25–29 but contain 93.3 percent of the children. The ratio of the two values is 1.034, which means that intact households have 3.4 percent more than their share of sons of a household head. This value, designated *k*, is held constant throughout the projections. The pattern of *k* shown in Table 19 is fairly typical. Intact households generally have somewhat more than their share of children, which one would expect of a group with childbearing patterns currently uninterrupted by divorce, widowhood, or the absence of the spouse for some other reason. Single male heads have well below their share of children because when husband and wife are living apart, children are more likely to live with the mother. Conversely, single female heads typically have close to their *pro rata* share of children despite the interrupted state of their marriage.

### *Number of grandchildren*

Among those in the population under age 15 who are not designated children of a household head, the great majority are grandchildren of a head. Among girls under age 5, between 8 and 22 percent are grandchildren of a household head (Table 20). The likelihood of being a grandchild of a household head declines rapidly with age. No more than 11 percent of those ages 5–9 and no more than 7 percent of those ages 10–14 are grandchildren of a household head. This decline is most often associated with the establishment of separate households by the grandchild's parents, but in some cases it is associated with a shift in the headship designation from the child's grandparents to the child's parents, entailing no change in the composition of the household.

The information used to estimate the number of surviving offspring who are candidates to be children of a head can be readily applied to estimate the number who are candidates to be grandchildren of a head. Projec-

Table 20. Proportion of girls under age 15 who are grandchildren of a household head: Six Asian countries, 1970–1980

| Country (year) | Age group | | |
|---|---|---|---|
| | 0–4 | 5–9 | 10–14 |
| Indonesia (1976) | .11 | .06 | .05 |
| Republic of Korea (1970) | .10 | .06 | .04 |
| Republic of Korea (1980) | .11 | .06 | .04 |
| Malaysia (1980) | .17 | .11 | .07 |
| Philippines (1975) | .08 | .05 | .03 |
| Taiwan (1980) | .13 | .05 | .02 |
| Thailand (1970) | .15 | .09 | .05 |
| Thailand (1980) | .22 | .11 | .07 |

tions of the number of children of a household head yield the number of daughters at each childrearing age. Estimates of the candidates for grandchild status are obtained by applying surviving offspring per mother ratios. If childbearing rates for daughters of household heads are identical to childbearing rates for women in general the calculated values will be equal to the number of surviving grandchildren of heads residing in or out of the household. The ratio of the observed number of grandchildren to the calculated "expected" number in the base year constitutes the rates used to project the number of grandchildren.

Table 21 shows an application of the procedure to Korean data. The grandchild ratio varies around 1 depending on the age of the household head's wife and the type of household. A value of 1 is observed when daughters of heads have fertility rates identical to women in general and all of their children live with them. The substantial variation in the grandchild rates is primarily a consequence of differences in fertility between daughters of heads and women who have established separate households. This is particularly evident among households with young heads. Their daughters of childbearing age are themselves young—at an age at which there is considerable variation in children ever born. Because childbearing is associated with the establishment of separate households, women who remain in their primary household will have lower fertility than those who do not. Thus, the number of observed grandchildren will be considerably fewer than the "expected." The women residing in households with older heads are at an age at which there is relatively little variation in children ever born. Most of these women have started their childbearing but remain at home; few have not yet begun to build their families. Thus, the number

Table 21. Illustration of methodology for calculating the number of grandchildren of household heads: Republic of Korea, 1980

| Age of principal female | Household type | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Intact | | | Male head | | | Female head | | |
| | Actual | Expected | Ratio | Actual | Expected | Ratio | Actual | Expected | Ratio |
| 40–44 | 4,170 | 19,798 | .211 | 835 | 1,233 | 0.677 | 208 | 3,311 | 0.063 |
| 45–49 | 25,449 | 53,794 | .473 | 2,457 | 2,891 | 0.850 | 4,822 | 10,713 | 0.450 |
| 50–54 | 49,399 | 62,387 | .792 | 4,109 | 3,853 | 1.066 | 9,457 | 17,092 | 0.553 |
| 55–59 | 48,373 | 48,374 | 1.000 | 4,902 | 4,055 | 1.209 | 11,357 | 16,401 | 0.692 |
| 60–64 | 28,602 | 26,396 | 1.084 | 3,200 | 2,923 | 1.266 | 8,301 | 9,864 | 0.841 |
| 65–69 | 13,208 | 10,895 | 1.212 | 2,296 | 1,792 | 1.281 | 5.567 | 5,076 | 1.097 |
| 70–74 | 4,310 | 2,952 | 1.460 | 1,013 | 760 | 1.333 | 1.927 | 1,614 | 1.194 |

Note: Based on 1980 census data on grandsons of ages 0–4, Republic of Korea.

of observed grandchildren will be much closer to the "expected" number and may be higher if fertility is higher in extended households.

In addition to these selectivity effects, childbearing by women living in three-generation households may differ systematically from that by women who do not. Members of such households may be more traditional in their outlook and have different socioeconomic characteristics. Moreover, extended families may encourage high fertility by reducing the opportunity costs of childbearing. In addition, childbearing by daughters of household heads may be positively associated with the age of their parents to the extent that they are more traditional in their outlook and have imparted their childbearing views to their daughters. Thus, it is not particularly surprising that the observed number of grandchildren exceeds the expected number in households with older heads.

### *Number of parents*

The likelihood that an older woman will be the mother of a household head varies greatly among the countries studied (Table 22). In Indonesia and Thailand in 1970, the proportion of women who are mothers of a household head does not exceed 30 percent in any five-year age group. In Taiwan and Korea, on the other hand, three-fourths or more of all women over age 75 are mothers of a household head.

Candidates for membership of households as a parent of a head consist of members of cohorts who have surviving offspring old enough to be household heads or wives of household heads. The population at risk, consisting of mothers, fathers, mothers-in-law, and fathers-in-law, is quantified as the average number of parents who would reside with their offspring if all parents lived with their children. For example, suppose that a household head had two surviving parents and four surviving siblings; the sur-

Table 22. Proportion of women over age 39 who are mothers of a household head: Six Asian countries 1970–1980

| Country (year) | Age group | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 40–44 | 45–49 | 50–54 | 55–59 | 60–64 | 65–69 | 70–74 | 75+ |
| Indonesia (1976) | .02 | .04 | .07 | .12 | .18 | .22 | .25 | .30 |
| Republic of Korea (1970) | .03 | .09 | .21 | .36 | .50 | .64 | .73 | .73 |
| Republic of Korea (1980) | .01 | .03 | .11 | .23 | .39 | .55 | .68 | .82 |
| Malaysia (1980) | .01 | .03 | .09 | .15 | .24 | .36 | .43 | .53 |
| Philippines (1975) | .01 | .01 | .04 | .06 | .12 | .17 | .26 | .36 |
| Taiwan (1980) | .04 | .14 | .29 | .48 | .62 | .73 | .76 | .75 |
| Thailand (1970) | .00 | .01 | .03 | .06 | .11 | .15 | .21 | .28 |
| Thailand (1980) | .01 | .02 | .05 | .09 | .17 | .26 | .36 | .47 |

viving parents per offspring for this household would be 2 parents/5 offspring = 0.4. If, in addition, the head had a spouse with one surviving parent and one surviving sibling, surviving parents-in-law would be 1 parent/2 siblings = 0.5. The total value, 0.9, would be the expected number of parents if all parents lived with their offspring. For intact households, parents per offspring includes both parents and parents-in-law; for households headed by single persons, however, the supply of potential parents includes only the parents of the head and not parents of the absent spouse.

To calculate rates required for projections, the HOMES model combines estimates of available parents with census data on the number of parents who were, in the base year, residing in households headed by their offspring. Illustrative data for Malaysia are reported in Table 23.

The Malaysian pattern is similiar to that observed elsewhere; the likelihood of co-residence increases rapidly with the age of the mother. Women who are ages 50–54 are much less likely to be the mother of a household head (and much more likely to be the spouse of a head) than women who are ages 70–74. Because the reported mothers of household heads include the mother of either the head or the spouse, a likelihood of two would be consistent with all women in a particular age group being the mother of a head. A value in excess of two is possible if mothers are more likely to reside with members of one age group rather than with members of another or if mothers are more likely to live with children who head households than with children who do not.

In the absence of behavioral changes governing household structure, many developing countries, particularly those far along in their demographic transitions, will experience an increase in the average number of parents per household. The Republic of Korea, for example, will experience

Table 23. Potential and actual mothers per offspring and the likelihood of co-residence: Malaysia, 1980

| Age of mother | Mothers per offspring | Total surviving mothers | Reported mothers of head | Likelihood of co-residence |
|---|---|---|---|---|
| 50–54 | 0.0503 | 8,203 | 1,673 | 0.204 |
| 55–59 | 0.0526 | 8,578 | 2,328 | 0.271 |
| 60–64 | 0.0365 | 5,952 | 2,685 | 0.451 |
| 65–69 | 0.0147 | 2,397 | 2,387 | 0.996 |
| 70–74 | 0.0064 | 1,044 | 1,433 | 1.373 |
| 75–79 | 0.0009 | 146 | 418 | 2.848 |

Note: Total surviving mothers calculated as product of mothers per offspring and number of households with Malay head and spouse of ages 30–34. In 1980, the census sample reported 163,080 households with the required characteristics.

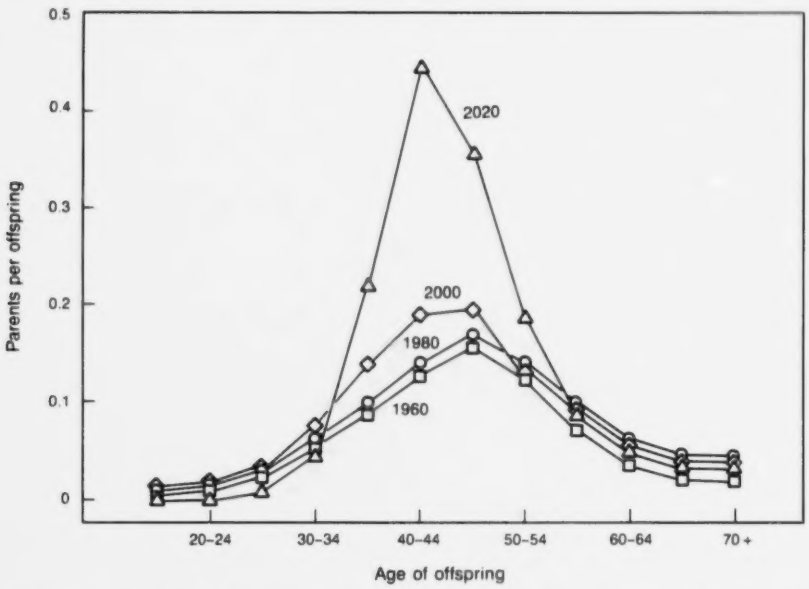


Figure 7. Actual and projected number of surviving parents ages 65 and older per surviving offspring, by age of offspring: Republic of Korea, 1960–2020

a substantial increase in the number of surviving parents per offspring. Figure 7 shows data on number of surviving parents ages 65 and older per offspring in 1960, 1980, and projected to 2000 and 2020. The shift between 1960 and 1980 is small, because, although mortality rates decreased substantially over the period, the probability of parents and of offspring surviving both increased so that there was a small net change in the ratio. The major increases are projected to occur after 1980. Elderly parents per offspring will increase by 15 to 40 percent by the year 2000 among offspring ages 30–49. The increase after 2000 is quite extraordinary. By the year 2020 elderly parents per offspring are projected to triple for offspring ages 40–44 and to double for offspring ages 45–49. The principal cause of the increase in parents per offspring is declining fertility. Surviving offspring will have far fewer surviving siblings with whom to share the responsibility of parental support. There is also some concentration of parents per offspring values within a narrower age range. Again, this reflects a concentration of fertility among women at prime childbearing ages.

### *Number of other household members*

The "others" category includes all household members who are not otherwise included. Because the group is a catch-all, its size and composition varies from country to country. In the Republic of Korea, for example, about 5 percent of the civilian population falls into this category. Of these, one-third are not related to the household head. Of the two-thirds who are related, nearly nine in ten are the head's siblings. Other members tend to be concentrated in households headed by men and women in their 20s and 30s (Table 24). Depending on the type of household, between 75 and 85 percent of all other household members are between the ages of 15 and 30.

HOMES calculates the number of other household members of each age and sex as a residual. The number of individuals of each age who are heads, spouses, children, parents, or grandchildren of the head are totalled and subtracted from the total number of individuals of that age. The number of others of each age and sex are then distributed among households distinguished by type, age of head, and age of spouse in proportion to their occurrence in the base years.

Table 24. Number of other household members per thousand households, by household type: Republic of Korea, 1980

| | Household type | | | | | |
|---|---|---|---|---|---|---|
| | Intact | | Single male head | | Single female head | |
| Age of head | Male | Female | Male | Female | Male | Female |
| 20–24 | 149 | 99 | 719 | 685 | 594 | 742 |
| 25–29 | 158 | 113 | 677 | 644 | 261 | 397 |
| 30–34 | 134 | 101 | 400 | 360 | 122 | 159 |
| 35–39 | 96 | 81 | 237 | 228 | 91 | 109 |
| 40–44 | 71 | 60 | 161 | 164 | 88 | 89 |
| 45–49 | 60 | 55 | 117 | 126 | 82 | 77 |
| 50–54 | 52 | 51 | 125 | 142 | 81 | 63 |
| 55–59 | 42 | 48 | 75 | 92 | 65 | 63 |
| 60–64 | 42 | 48 | 60 | 70 | 86 | 72 |
| 65–69 | 44 | 43 | 62 | 66 | 84 | 85 |
| 70+ | 38 | 66 | 83 | 64 | 55 | 70 |

# 3 TECHNICAL DESCRIPTION OF THE MODEL

## Conventions

All rates used to describe the number and composition of households are calculated from a "base-year" survey or census. These data are differentiated by appending an *S*. For example, *N*1 refers to the projected number of family households and *NS*1 to the corresponding variables from the base-year survey or census.

Whenever practical, variables are indexed as follows. Sex of the household head or member is represented by *s*: 1 denotes males; 2 females; and 3, both sexes combined. Age of a household member is denoted by *a*, age of the principal male (head) by *x*, and age of the principal female (head or spouse of a head) by *w*. In households with no principal female, *w* is the age of the head. Age is measured in five-year age categories, with the upper age bracket, denoted by 18, including all those ages 85 and older. The summation across all age groups is denoted by setting *a*, *x*, or *w* to 19. Year is denoted by *t*.

Upper case letters are reserved for variables representing absolute magnitudes, such as the population or number of heads. Lower case letters are used to represent rates, parameters, and per capita or per household values.

## Definition of variables

The variables used in the model are defined as follows.

*N(s,a,t)* and *NS(s,a)*

the population of sex *s* and age *a* projected to year *t* or from the base-year survey.

*Ni(type,s,a,w,t)* and *NSi(type,s,a,w)*

the number of household members with relationship to head *i*, of sex *s* and age *a* living in households of type *type* with a principal female (head or spouse of head) aged *w* projected to year *t* (*Ni*) and for the base-year survey (*NSi*). *N*1 and *NS*1 equal the number of households, as well as the number of household heads.

*Relationship (i)*
1 - Head or spouse
2 - Child of head
3 - Parent of head
4 - Grandchild of head
5 - Other member
*T* - All relationships combined

*Household type (type)*
1 - intact, head and wife present
2 - female head, no husband present
3 - male head, no wife present

*N8(s,x,t)* and *NS8(s,x)*

the number of primary-individual households with a head of sex *s* and age *x*, projected to year *t* and from the base-year survey.

*N5P(sh,s,a,x,t)* and *NS5P(sh,s,a,x)*

the number of non-head members of sex *s* and age *a* residing in primary-individual households with a head of sex *sh* and age *x*, projected to year *t* and from the base-year survey.

*O(s,a,w,t)* and *OS(s,a,w)*

the number of surviving offspring of sex *s*, age *a*, with mothers age *w* for the population, projected to year *t* and from the base-year survey.

*ri(type,s,a,w)*

rates of incidence of relationship *i* occurring among persons of sex *s*, age *a*, living in households of type *type* with a principal female age *w*.

*r8(s,x)* and *r9(s,x)*

headship rates for one-person households and primary-individual households.

*d(a,w,t)* and *dr(a,w,t)*

offspring weights, the proportion of the population age *a* with a mother age *w*.

*ps(s,z,w,t)* and *ph(s,z,w,t)*

number of parents of spouse per household and number of parents of head per household, where *s* and *z* are the sex and the age of the parents and *w* is the age of the principal female.

## Calculating the number of households

### *Family households*

The number of family households (those consisting of two or more related individuals) *N1*, in which the male householder[3] is age *x* and the female householder is age *w*, both in five-year age groups, is calculated as:

$$N1(type,x,w,t) = r1(type,x,w)[b(type)N(1,x,t) + (1\text{-}b(type))N(2,w,t)] \quad (3)$$

$$b(1) = 0.5$$
$$b(2) = 0.0$$
$$b(3) = 1.0$$

for *type* = 1 to 3 and $x$ and $w$ = 1 to 18. *Type* 1 refers to intact households (those with both husband and wife present). *Type* 2 and *type* 3 refer to female-headed and male-headed households, respectively, in which the head's spouse is not present. The number of households for $x \neq w$ is zero for *type* 2 and *type* 3 households. $N(1,x,t)$ and $N(2,w,t)$ are the male and female populations ages $x$ and $w$, respectively, in year $t$. The headship rates, $r1$, are calculated from base-year data as:

$$r1(type,x,w) = NS1(type,x,w)/[b(type)NS(1,x) + (1\text{-}b(type))NS(2,w)] \quad (4)$$

$NS1$ gives the base-year number of households and $NS$ gives the base-year populations.

### *Non-family households*

The number of one-person households, $N9$, and the number of primary-individual households (households consisting of unrelated individuals), $N8$, are calculated by applying time invariant headship rates to year $t$ populations.

$$N8(s,x,t) = r8(s,x)N(s,x,t)$$
$$N9(s,x,t) = r9(s,x)N(s,x,t) \quad (5)$$

for $s$ = 1 (male) or 2 (female) and $x$ = 1 to 18. The headship rates, $r8$ and $r9$, are calculated from base-year data on population and households.

$$r8(s,x) = NS8(s,x)/NS(s,x)$$
$$r9(s,x) = NS9(s,x)/NS(s,x) \quad (6)$$

## Calculating the number of children of a household head

The HOMES model calculates the number of children of a household head as the product of four factors: (1) the number of surviving offspring, $O$; (2) the likelihood that surviving offspring are children of a household head, $r2$; (3) the prevalence of households of each type; and (4) a variable, $k$, that quantifies the likelihood that a surviving offspring will be the child of a head in a household of each type. Both $k$ and $r2$ are time invariant, whereas the number of surviving offspring and the prevalence of each household type vary over time. The number of children is calculated as:

$$N2(type,s,a,w,t) = O(s,a,w,t)\ r2(4,s,a,w)\ k(type,s,a,w)$$
$$\{N1(type,19,w,t)/[N1(1,19,w,t) + N1(2,19,w,t) + N1(3,19,w,t)]\} \quad (7)$$

where $a$ is the age of the child and $w$ is the age of the female householder.

The likelihood that surviving offspring are children of a head is calculated, using the base-year population, as:

$$r2(type,s,a,w) = NS2(type,s,a,w)/OS(s,a,w) \quad (8)$$

for *type* = 1 to 4, *sex* = 1 or 2, and *a* and *w* = 1 to 18, where *type* 4 is the summation across *type* 1 to *type* 3. *NS*2 and *OS* are the children of the head and the surviving offspring, respectively.

The factor *k* captures the usually observed tendency for children from nonintact households to reside with their mothers rather than with their fathers. Thus, for *type* 2 households, *k* is generally greater than 1 and for *type* 3 households generally less than 1. The factor is calculated by:

$$k(type,s,a,w) = [r2(type,s,a,w)/r2(4,s,a,w)]/ \{NS1(type,19,w)/[NS1(1,19,w)+NS1(2,19,w)+NS1(3,19,w)]\}. \quad (9)$$

The number of surviving offspring in the base year and in projection years is calculated as:

$$OS(s,a,w) = drs(a,w)\ NS(s,a)$$
$$O(s,a,w,t) = dr(a,w,t)\ N(s,a,t) \quad (10)$$

where *dr* (*drs* for the base year) gives the proportion of all surviving offspring age *a* who have mothers (or fathers for *type* 3 households) age *w*. For a detailed discussion of the methodology used to estimate *dr*, see the section on offspring weights below.

## Calculating the number of grandchildren of a household head

The number of grandchildren varies with the number of women of child-rearing age who are the daughters of a household head and with their childbearing behavior. The number of grandchildren is calculated by:

$$N4(type,s,a,w,t) = r4(type,s,a,w)\ NE4(type,s,a,w,t) \quad (11)$$

where *NE*4 would be the expected number of grandchildren if all grandchildren lived with their mothers and if childbearing and co-residence patterns of daughters of heads were identical to those of all women of the same age. The expected number of grandchildren is equal to:

$$NE4(type,s,a,w,t) = \sum_{x=1}^{18} \{N2(type,2,x,w,t)\ [O(s,a,x,t)/N(2,x,t)]\ r2(4,s,a,x)\}. \quad (12)$$

The grandchild rate of incidence varies from 1.0 as the childbearing and co-residence patterns of daughters of household heads differ from those of women in general. The rate is calculated from base-year data as:

$$r4(type,s,a,w) = NS4(type,s,a,w)/NSE4(type,s,a,w) \quad (13)$$

where the expected number of grandchildren in the base-year is calculated with base-year data substituted into equation (12).

## Calculating the number of parents of a househead head

The number of parents of a household head varies with the availability of parents:

$$N3(type,2,z,w,t) = r3(type,2,z,w)\ N1(type,19,w,t)\ [k4(type)\ ps(2,z,w,t) + k5(type)\ ph(2,z,w,t)]$$
$$N3(type,1,z,w,t) = r3(type,1,z,w)\ N1(type,19,w,t)\ [k4(type)\ ps(1,z,w,t) + k5(type)\ ph(1,z,w,t)] \quad (14)$$

where $ps(2,z,w,t)$ and $ph(2,z,w,t)$ are the per household surviving mothers and mothers-in-law age $z$ of spouses age $w$ in year $t$, and $ps(1,z,w,t)$ and $ph(1,z,w,t)$ are the surviving fathers and fathers-in-law. The dummy variables $k4$ and $k5$ vary by household type, excluding parents of absent spouses in *type* 2 and *type* 3 households. The values are:

| *Type* | $k4$ | $k5$ |
|---|---|---|
| 1 | 1 | 1 |
| 2 | 1 | 0 |
| 3 | 1 | 0 |

The supply of mothers and fathers varies with the number of surviving mothers but also with the number of surviving siblings because potential responsibility for parents is shared among surviving offspring. Mothers of the principal female (head for *type* 3) per household is calculated as:

$$ps(2,z,w,t) = d(w,z,t)\ N(2,z,t) / \sum_{x=1}^{18} d(x,z,t)\ [N(1,x,t) + N(2,x,t)] \quad (15)$$

Mothers of the household head per household for intact households is given by:

$$ph(2,z,w,t) = \sum_{x=1}^{18} [N1(1,x,w,t)/N1(1,x,19,t)]\ ps(2,z,x,t) \quad (16)$$

Fathers of the principal female (head for *type* 3) per household is calculated as:

$$ps(1,z,w,t) = \sum_{y=1}^{18} \{ps(2,y,w,t)\ [N1(1,z,y,t)/N1(1,z,19,t)]\ [N(1,z,t)/N(2,y,t)]\} \quad (17)$$

Fathers of the household head per household for intact households is calculated as:

$$ph(1,z,w,t) = \sum_{x=1}^{18} [N1(1,s,x,w,t)/N1(1,s,x,19,t)]\ ps(1,z,x,t) \qquad (18)$$

The average rate of incidence, calculated from base-year data, approaches 1.0 to the extent that parents universally live with their offspring. The value may exceed 1.0 for particular groups of households to the extent that there is differential selection by parents. The rate of incidence for mothers is calculated from base-year data by:

$$r3(type,2,z,w) = [NS3(type,2,z,w)/NS1(type,19,w)]/ \\ [k4(type)\ pss(2,z,w) + k5(type)\ phs(2,z,w)] \qquad (19)$$

and the rate of incidence for fathers by:

$$r3(type,1,z,w) = [NS3(type,1,z,w)/NS1(type,19,w)]/ \\ [k4(type)\ pss(1,z,w) + k5(type)\ phs(1,z,w)] \qquad (20)$$

where *pss* and *phs* are calculated by substituting base-year data into equations (15) to (18).

## Calculating the number of other household members

The HOMES model calculates the total number of other household members in each age and sex group as the residual of individuals not otherwise allocated to household membership. The residual is distributed among family households and primary-individual households in proportion to the observed distribution per household in the base year and to the projected number of households of each type. Other members are calculated as:

$$N5(type,s,a,w,t) = k6(s,a,t)\ r5(type,s,a,w)\ N1(type,19,w,t) \\ N5P(sh,s,a,x,t) = k6(s,a,t)\ r5p(sh,s,a,x)\ N8(sh,x,t) \qquad (21)$$

where $N5P(sh,s,a,x,t)$ is the number of other members of sex $s$ and age $a$ residing in year $t$ in primary-individual households with heads of sex $sh$ and age $x$. The term, $k6$, is calculated to ensure that all residual members are distributed. The rates of incidence are calculated from base-year data as:

$$r5(type,s,a,w) = NS5(type,s,a,w)/NS1(type,19,w) \\ r5p(sh,s,a,x) = NS5P(sh,s,a,x)/NS8(sh,x) \qquad (22)$$

## Calculating offspring weights

Offspring weights *(d(a,w,t))* are calculated using procedures first described by Mason and Martin (1982). The number of surviving offspring age $a$ of women age $w$ in year $t$ is equal to:

$$O(3,a,w,t) = p(a,t)\ B(w\text{-}a,t\text{-}a) \qquad (23)$$

where $p(a,t)$ is the probability of surviving from birth to age $a$ in year $t$ and $B(w\text{-}a,t\text{-}a)$ is the total number of births to women age $w\text{-}a$ in year $t\text{-}a$. The total number of surviving offspring at age $a$ in year $t$, equal to the population age $a$ in year $t$, is found by summing across $w$:

$$N(a,t) = p(a,t) \sum_{w} B(w\text{-}a,t\text{-}a) \tag{24}$$

Dividing equation (23) by equation (24) yields the offspring weights:

$$d(a,w,t) = [O(3,a,w,t)/N(a,t)] = B(w\text{-}a,t\text{-}a) \; / \; \sum_{w} B(w\text{-}a,t\text{-}a) \tag{25}$$

Offspring weights for any cohort are equal to the age distribution of births in the year of the cohort's birth. The number of surviving offspring, $O$, is calculated as the product of the offspring weights and the current population of the cohort. The same weights apply to male and female offspring.

The model estimates the number of births to each cohort of women from information on age-specific fertility rates, $f$, and the number of women belonging to the cohort. A crude approximation could be obtained by using a simple average, setting $k$ to 2.5 in:

$$\begin{aligned} B(w\text{-}a,t\text{-}a) = {} & [5\text{-}k(a\text{-}1,t\text{-}1)]\, f(w\text{-}a\text{-}1,t\text{-}a\text{-}1)\, N(2,w\text{-}a\text{-}1,t\text{-}a\text{-}1) \\ & + k(a,t)\, f(w\text{-}a,t\text{-}a)\, N(2,w\text{-}a,t\text{-}a) \end{aligned} \tag{26}$$

This, however, yields an inadequate estimate because age-specific fertility rates vary so substantially within age categories. The fertility exposure of a cohort of women uniformally distributed from ages 15 to 19 is, over the following five years, concentrated at ages 19 and 20 (36 percent of the total exposure) and very limited at the extreme ages of 15 and 24 (4 percent of the total exposure.) This problem is circumvented by allowing $k$ to vary with the pattern of fertility, accounting for the within-age-group variation by adding to the equation the age-specific fertility rates for adjacent five-year age groups and the mean age of childbearing.

The values of $k$ were estimated using data from Coale and Trussel's model fertility schedules:

$$\begin{aligned} k(3,t) &= 0.0 \\ k(4,t) &= 0.87913 + 1.7969\, R(4,t) \\ k(5,t) &= -0.75512 + 1.1605\, R(5,t) + 0.069187\, M(t) \\ k(6,t) &= 3.5797 + 0.049133\, R(6,t) - 0.037807\, M(t) \\ k(7,t) &= 2.3736 + 0.16486\, R(7,t) \\ k(8,t) &= 2.4459 + 0.10441\, R(8,t) \\ k(9,t) &= 2.8262 + 0.093475\, R(8,t) \\ k(10,t) &= 3.4582 + 0.010980\, R(9,t) \text{ if } R(9,t) \text{ is defined} \\ &= 0 \text{ if } R(9,t) \text{ is not defined} \end{aligned} \tag{27}$$

where $R(a) = f(a,t)/f(a+1,t)$ is the ratio of the fertility rates of adjacent age groups and $M$ is the mean age of childbearing. The births to women age $w$ in year $t$ is approximated by substituting for $k$ in equation (26).

## Adjusting offspring weights

Offspring weights must be adjusted to allow for the fact that some offspring live only with their fathers in *type* 3 households. To calculate the number of children of a head the model uses a weighted average of $d(a,w,t)$ and offspring weights specific to the age of husbands $dh(a,w,t)$:

$$dr(a,w,t) = wt(w,t)d(a,w,t) + (1\text{-}wt(w,t))dh(a,w,t) \qquad (28)$$

where the weight is the proportion of households with the principal female present. The revised weights are normalized to sum to 1.0.

Offspring weights for fathers must be approximated using a crude procedure because fertility rates specific to the father's age are not generally available. Hence, $dh$ is calculated by assuming that fertility is independent of the father's age (given the age of his wife) so that $dh$ can be calculated as a weighted average of the corresponding values of $d$ by:

$$dh(a,w,t) = d(a,z,t)\cdot N1(1,w,z)/N1(1,w,19) \qquad (29)$$

where the $dh$ weights are normalized so that they sum (across $w$) to total 1.

## Reliability of procedures

The procedures are designed to reproduce household characteristics of a population in a census or survey year. For several reasons, however, calculated values for the base year do not exactly reproduce census values. First, rates based on a sample are subject to sampling variance. Second, in most cases census editing procedures do not apply consistency checks to data on the relationship of household members to household head. Thus, tabulations include, for example, children of a head who are older than either the head or the spouse. The HOMES model essentially edits out such cases as part of the calculation process and includes them as "other" household members. Third, census data are subject to underenumeration and age-misreporting; no acceptable procedures have been established for adjusting the number of households and household members. The HOMES model calculates adjusted estimates by applying headship and membership rates to adjusted population data. This procedure is appropriate to the extent that age misreporting and underenumeration of individuals are independent of the relationship of a household member to the household head.

# 4 RUNNING HOMES

HOMES can be conceptualized as consisting of two components or stages. In stage 1 the rules governing household formation and composition are determined from base-year data. In stage 2 the number and composition of households are projected by applying the rules determined in stage 1 to projected population data. Stages 1 and 2 are generally run separately. Stage 2 may be run repeatedly to obtain alternative household projections based on alternative projections of the population. Stage 1, in contrast, will be run only rarely—generally after a census or major national survey.

This section includes instructions for setting up the data input for stage 1 and stage 2. The current release of HOMES includes stage 1 output from a recent census, so that the user is not required to run stage 1. Documentation for stage 1 is provided mainly for informational purposes; the user is not required to prepare any of the stage 1 input files. Instructions for converting HOMES data files into SAS files and two programs for generating summary tables are also provided. These programs were used to create most of the tables presented in section 1 of this reference guide. These programs can be used only on systems that support SAS including PROC MATRIX routines. Summaries of HOMES programs are provided in Appendix B.

## Data input for stage 1: Rate calculations

Data input for stage 1 is contained in four files. The first file, country.HW.DATA, contains data on the base-year population and on household heads. The second file, country.MEM.DATA, contains data on household members, and the third file, country.IGW.DATA, contains base-year intergenerational weights. The fourth file, country.CIV.DATA, contains data on the proportions of the total population that are institutionalized or in the military and that are therefore excluded from the household population.

Population data for lines 1 and 2 of the country.HW.DATA input file (Exhibit A) are generally available from published statistical reports. If possible, data should be adjusted for age-misreporting and underenumeration. The survey population data in lines 3 and 4 come from the census or survey tabulations and should include only the civilian, non-institutionalized population. Lines 5 through 29 are tabulated from the census or survey. Data are formatted 19F10.0 (right justified within ten-column blocks).

Data for input file country.MEM.DATA (Exhibit B) are obtained by tabulation from survey or census sample. Exact definitions of relationship categories may vary from country to country. Children and grandchildren should, however, include adopted children, children-in-law, and stepchildren; parents should include parents of either the head or the spouse as well as stepparents. "Others" is a residual category that must include all

Exhibit A. Input file: country.HW.DATA

| Line no. | 0–4 | 5–9 | 10–14 | . . . . . | 85+ | Total |
|---|---|---|---|---|---|---|
| | *N(s,x)*—Total population for base year (format: 19F10.0) | | | | | |
| 1 | Males | | | | | |
| 2 | Females | | | | | |
| | *NS(s,x)*—Survey population | | | | | |
| 3 | Males | | | | | |
| 4 | Females | | | | | |
| | *NS1(type,x,w)*—Number of households | | | | | |
| | *Type* 1 ◄—— Age of spouse (*w*) ——► | | | | | |
| | Males | | | | | |
| | Age of Husband (*x*) | | | | | |
| 5 | 0–4 | | | | | |
| 6 | 5–9 | | | | | |
| . | . | | | | | |
| . | . | | | | | |
| 22 | 85+ | | | | | |
| 23 | Total | | | | | |
| 24 | *Type* 2 ◄—Age of head (*w* for *Type* 2, *x* for *Type* 3)—► | | | | | |
| 25 | *Type* 3 | | | | | |
| | *NS8(s,x)*—Primary-individual households | | | | | |
| 26 | Males | | | | | |
| 27 | Females | | | | | |
| | *NS9(s,x)*—One-person households | | | | | |
| 28 | Males | | | | | |
| 29 | Females | | | | | |

household members, including employees and other unrelated members, not otherwise classified. Data are formatted 19F10.0 (right justified within ten-column blocks).

Base-year weights used in the country.IGW.DATA file (Exhibit C) are calculated in accordance with the technical description, equations (25), (26), and (27), using historical times series of age-specific fertility rates and population. Base-year weights are available for the Asian countries referred to in Section 2 and for all OECD countries.

The proportions in country.CIV.DATA (Exhibit D) must be calculated based on independent data sometimes available in census publications. Lines 1 and 2 are the proportions of the total population in the military and not the household population. Lines 3 and 4 are the proportions of

Exhibit B. Input file: country.MEM.DATA

| Line no. | Age of member | Age of spouse or head 0–4 | 5–9 | 10–14 . . . . . | 85+ | Total |
|---|---|---|---|---|---|---|
| | *NS2(type,s,a,w)*—Number of children (format: 19F10.0) | | | | | |
| | *Type* 1 | | | | | |
| | Males | | | | | |
| 1 | 0–4 | | | | | |
| 2 | 5–9 | | | | | |
| . | . | | | | | |
| . | . | | | | | |
| 18 | 85+ | | | | | |
| 19 | Total | | | | | |
| 20–38 | Females | | | | | |
| | *Type* 2 | | | | | |
| 39–57 | Males | | | | | |
| 58–76 | Females | | | | | |
| | *Type* 3 | | | | | |
| 77–95 | Males | | | | | |
| 96–114 | Females | | | | | |
| | *NS3(type,s,a,w)*—Number of parents of head | | | | | |
| | *Type* 1 | | | | | |
| 115–133 | Males | | | | | |
| 134–152 | Females | | | | | |
| | *Type* 2 | | | | | |
| 153–171 | Males | | | | | |
| 172–190 | Females | | | | | |
| | *Type* 3 | | | | | |
| 191–209 | Males | | | | | |
| 210–228 | Females | | | | | |
| | *NS4(type,s,a,w)*—Number of grandchildren of head | | | | | |
| | *Type* 1 | | | | | |
| 229–247 | Males | | | | | |
| 248–266 | Females | | | | | |
| | *Type* 2 | | | | | |
| 267–285 | Males | | | | | |
| 286–304 | Females | | | | | |
| | *Type* 3 | | | | | |
| 305–323 | Males | | | | | |
| 324–342 | Females | | | | | |

Exhibit B. Input file: country.MEM.DATA (*continued*)

| Line no. | Age of member | Age of spouse or head 0–4 | 5–9 | 10–14 | . . . . . | 85+ | Total |
|---|---|---|---|---|---|---|---|
| | *NS5(type,s,a,w)*—Number of other members | | | | | | |
| | *Type* 1 | | | | | | |
| 343–361 | Males | | | | | | |
| 362–380 | Females | | | | | | |
| | *Type* 2 | | | | | | |
| 381–399 | Males | | | | | | |
| 400–418 | Females | | | | | | |
| | *Type* 3 | | | | | | |
| 419–437 | Males | | | | | | |
| 438–456 | Females | | | | | | |
| | *NS5P(sh,s,a,w)*—Number of other members, P.I. HH's | | | | | | |
| | Male heads | | | | | | |
| 457–475 | Males | | | | | | |
| 476–494 | Females | | | | | | |
| | Female heads | | | | | | |
| 495–513 | Males | | | | | | |
| 514–532 | Females | | | | | | |

Note: For *type* 3 households, data are *NSiH(type,s,a,x)* (members are distributed by age of father).

Exhibit C. Input file: country.IGW.DATA

| Line no. | Age of offspring | Age of mother 0–4 | 5–9 | 10–14 | . . . . . | 85+ | Total |
|---|---|---|---|---|---|---|---|
| | | *d(a,w)*—Intergenerational weights | | | | | |
| 1 | 0–4 | (format: 8F10.4/8F10.4/3F10.4) | | | | | |
| 2 | 5–9 | | | | | | |
| . | . | | | | | | |
| . | . | | | | | | |
| 18 | 85+ | | | | | | |
| 19 | Total | | | | | | |

Exhibit D. Input file: country.CIV.DATA

| Line no. | 0-4 | 5-9 | 10-14 | . . . . . | 85+ | Total |
|---|---|---|---|---|---|---|
| | *RMN(s,x)*—Proportion of total population in military | | | | | |
| 1 | Males | | | (format: 19F10.5) | | |
| 2 | Females | | | | | |
| | *RIN(s,x)*—Proportion of civilian population institutionalized | | | | | |
| 3 | Males | | | | | |
| 4 | Females | | | | | |

the civilian population living in institutions. If only combined data are available, lines 1 and 2 can be the proportions of the total population excluded from the household population because of military service or institutionalization. Lines 3 and 4 are then set to zero. If this procedure is followed, the projected institutionalized population will be included with the military population. The data format is 19F10.5, (right justified within ten-column blocks) with provision for five decimal places.

## Data input for stage 2: Household projections

Data input for stage 2 includes headship and relationship to head rates calculated from stage 1, base-year intergenerational weights, and proportions of military and institutionalized populations, all of which are generally provided as part of the projection package. Most users will create files containing only the projected population data and age-specific fertility rates, as specified below.

The first line of input file country.POP.DATA (Exhibit E) contains *startyr*, the year for population data contained in lines 2 and 3, and *endyr*, the year for population contained in the last lines. Data must be entered beginning in the first column as four digits (for example, 1950) followed by a one-column space and four digits. Population data are entered in eighteen ten-column blocks right justified within each block (formatted as 18f10.0).

The projection period is not determined by *startyr* and *endyr*. It may begin after *startyr* and terminate before *endyr*. Thus, the population file and the fertility file can contain data for non-projection years. HOMES can also project backwards; that is, it can calculate for years before the base year so that *startyr* may be less than the base year.

In input file country.FERT.DATA (Exhibit F), fertility rates are births per year per 1,000 women in each age group. Data input provides for two decimal places, and data must be entered formatted 7F10.2 (right justified within 10 ten-column blocks) with two digits to the right of the decimal point.

Exhibit E. Input file: country.POP.DATA

| Line no. | Year & sex | Age 0–4 | 5–9 | 10–14 | . | . | . | . | . | . | 85+ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | *Startyr Endyr* 'comment if any' (format: I4, I5) | | | | | | | | | | |
| | *N(s,x)*—Population in five-year age groups (format: 18F10.0) | | | | | | | | | | |
| | *Startyr* | | | | | | | | | | |
| 2 | Male | | | | | | | | | | |
| 3 | Female | | | | | | | | | | |
| | *Startyr*+5 | | | | | | | | | | |
| 4 | Male | | | | | | | | | | |
| 5 | Female | | | | | | | | | | |
| . | . | | | | | | | | | | |
| . | . | | | | | | | | | | |
| | *Endyr* | | | | | | | | | | |
| . | Male | | | | | | | | | | |
| . | Female | | | | | | | | | | |

Exhibit F. Input file: country.FERT.DATA

| Line no. | Year | Age 15–19 | 20–24 | . | . | . | 45–49 |
|---|---|---|---|---|---|---|---|
| 1 | *Startyr Endyr* 'comment if any' (format: I4, I5) | | | | | | |
| | *f(a,t)*—age-specific fertility rates (format: 7F10.2) | | | | | | |
| 2 | *Startyr* | | | | | | |
| 3 | *Startyr*+5 | | | | | | |
| . | . | | | | | | |
| . | . | | | | | | |
| . | *Endyr* | | | | | | |

## 5 DESCRIPTION OF OUTPUT

For males and females tabulated in five-year age groups, HOMES determines the relationship to the head of household, the type of household in which the individuals reside, and the age (in five-year intervals) of the head or spouse of the household in which the members reside at five-year

Exhibit G. Table of contents for HOMES output

| Output pages | Description |
|---|---|
| 99–101 | Population in five-year age groups by sex; civilian, non-institutional; military; institutional. |
| 102–104 | Number of intact and single-headed households by age and sex of head. |
| 105–106 | Number of primary-individual and one-person households by sex and age of head. |
| 107 | Number of intact households by age of head and age of spouse. |
| 108–113 | Number of children in intact and single-headed households by age and sex of children and age of principal female (head, if female; spouse of head, otherwise). |
| 114–119 | Number of parents in intact and single-headed households by age and sex of parents and age of principal female (head, if female; spouse of head, otherwise). |
| 120–125 | Number of grandchildren in intact and single-headed households by age and sex of grandchildren and age of principal female (head, if female; spouse of head, otherwise). |
| 126–135 | Number of other members in intact, single-headed, and primary-individual households by age and sex of other members and age of principal female (head, if female; spouse of head, otherwise). |
| 136–145 | Total number of members in intact, single-headed, and primary-individual households by age and sex of members and age of head (single-headed and primary individual-households) or spouse (intact households). |
| 146–147 | Total number of members in all households combined by age and sex of members and age of wife or head. |

Note: Output page numbers begin with 99 because 1990 projection is reported and base year for run is 1980.

time intervals. The table of contents for the HOMES output (Exhibit G) and an example of the printed output is provided in this section. These data are also written to computer files to facilitate further analysis and the preparation of summary tables and measures.

The three output files for the HOMES model (Exhibit H) contain data on household head (country.N1.DATA); children, parents, grandchildren, and other household members (country.N2.DATA); and total household members (country.NT.DATA). The data are written to files in the same order as they are printed, using 19 columns and the format 19F10.0.

Exhibit H. Output files for HOMES

| File name | Description of contents (row numbers) |
|---|---|
| country.N1.DATA: | Number of intact households (1)<br>Number of single-headed households (2-3)<br>Number of spouses of head, *Type* 1 households (4-22)<br>Number of primary-individual households (23-24)<br>Number of one-person households (25-26) |
| country.N2.DATA: | Number of children, males and females<br>Intact households (1-38)<br>Single-headed households, female head (39-76)<br>Single-headed households, male head (77-114)<br>Number of parents, males and females<br>Intact households (115-152)<br>Single-headed households, female head (153-190)<br>Single-headed households, male head (191-228)<br>Number of grandchildren, males and females<br>Intact households (229-266)<br>Single-headed households, female head (267-304)<br>Single-headed households, male head (305-342)<br>Number of other members, males and females<br>Intact households (343-380)<br>Single-headed households, female head (381-418)<br>Single-headed households, male head (419-456)<br>Primary-individual households, male head (457-494)<br>Primary-individual households, female head (495-532) |
| country.NT.DATA: | Total number of members, males and females<br>Intact households (1-38)<br>Single-headed households, female head (39-76)<br>Single-headed households, male head (77-114)<br>Primary-individual households, male head (115-152)<br>Primary-individual households, female head (153-190)<br>One-person households, male (191)<br>One-person households, female (192) |

TOTAL POPULATION
CIVILIAN, NON-INSTITUTIONAL

MALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 2260735. | 2247203. | 2032285. | 2214951. | 1578904. | 2164731. | 1976637. | 1506582. | 1250031. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 1090971. | 1014352. | 753116. | 488421. | 364073. | 213613. | 95777. | 42002. | 15818. | 21330096. |

FEMALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 2119903. | 2078613. | 1882597. | 2019217. | 2053120. | 2111832. | 1980858. | 1450033. | 1171156. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 1074362. | 1025140. | 848721. | 660207. | 525376. | 361936. | 212988. | 119111. | 57010. | 21722896. |

TOTAL POPULATION
MILITARY

MALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 0. | 0. | 163. | 18676. | 645848. | 97828. | 40816. | 25421. | 15332. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 7867. | 3161. | 1050. | 357. | 171. | 73. | 32. | 14. | 5. | 856816. |

FEMALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 0. | 0. | 95. | 762. | 2412. | 1380. | 1140. | 756. | 575. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 463. | 380. | 128. | 99. | 68. | 44. | 26. | 16. | 7. | 8349. |

TOTAL POPULATION
INSTITUTIONAL

MALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 0. | 0. | 9371. | 44726. | 40983. | 30113. | 7162. | 3988. | 2819. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 2487. | 2155. | 1458. | 876. | 562. | 598. | 359. | 197. | 72. | 150422. |

FEMALE

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 0. | 0. | 10031. | 95855. | 59968. | 9759. | 3831. | 2106. | 2124. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 1770. | 1756. | 1215. | 1144. | 662. | 922. | 664. | 470. | 187. | 192429. |

NUMBER OF HEADS
INTACT HOUSEHOLDS
MALE

- AGE OF HEAD -

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
|---|---|---|---|---|---|---|---|---|---|
| 0. | 0. | 0. | 2558. | 94058. | 897733. | 1530632. | 1421148. | 1212571. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 966890. | 785891. | 649360. | 433821. | 276762. | 137783. | 46786. | 14211. | 3718. | 8473903. |

NUMBER OF HEADS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE

| - AGE OF HEAD - | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 21377. | 66553. | 64890. | 97651. | 116677. | 128216. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 161937. | 166012. | 151059. | 92646. | 57626. | 30273. | 13471. | 5364. | 1569. | 1195509. |

1990 KOREA

NUMBER OF HEADS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
MALE

| AGE OF HEAD | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 29214. | 79728. | 116529. | 90875. | 29352. | 25726. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 29873. | 34826. | 32835. | 25655. | 23925. | 17228. | 7799. | 5378. | 2300. | 493137. |

NUMBER OF HEADS
PRIMARY INDIVIDUAL HOUSEHOLDS

MALE HEADS

| - AGE OF HEAD - | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 22460. | 18817. | 13358. | 2639. | 1519. | 951. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 936. | 818. | 459. | 351. | 395. | 236. | 94. | 37. | 0. | 63070. |

FEMALE HEADS

| - AGE OF HEAD - | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 21382. | 24206. | 7574. | 3660. | 2182. | 1513. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 69-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 1566. | 1746. | 2269. | 1893. | 1470. | 847. | 259. | 137. | 131. | 70811. |

NUMBER OF HEADS
ONE PERSON HOUSEHOLDS

MALE HEADS

| - AGE OF HEAD - | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 20927. | 35933. | 52610. | 18[illegible]. | 9726. | 7909. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 8765. | 11104. | 7310. | 6806. | 6581. | 3192. | 2232. | 738. | 341. | 190495. |

FEMALE HEADS

| - AGE OF HEAD - | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0. | 0. | 0. | 17097. | 47346. | 28654. | 20582. | 14417. | 12877. | |
| 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 10584. | 10905. | 10458. | 9567[illegible]. | 40388. | 25796. | 13697. | 5334. | 2822. | 362579. |

NUMBER OF INTACT HOUSEHOLDS
AGE OF HEAD AND WIFE

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 759. | 671. | 181. | 0. | 223. | 214. |
| 20-24 | 0. | 0. | 0. | 10635. | 75589. | 6781. | 259. | 169. | 108. |
| 25-29 | 0. | 0. | 0. | 10525. | 393670. | 477633. | 14476. | 673. | 125. |
| 30-34 | 0. | 0. | 0. | 2164. | 154603. | 863015. | 494190. | 15704. | 503. |
| 35-39 | 0. | 0. | 0. | 127. | 13308. | 217052. | 784072. | 386501. | 18944. |
| 40-44 | 0. | 0. | 0. | 52. | 1306. | 22525. | 231737. | 402837. | 331427. |
| 45-49 | 0. | 0. | 0. | 110. | 966. | 3526. | 25463. | 159922. | 480756. |
| 50-54 | 0. | 0. | 0. | 62. | 587. | 1486. | 4320. | 23121. | 149233. |
| 55-59 | 0. | 0. | 0. | 0. | 168. | 667. | 1632. | 7931. | 33307. |
| 60-64 | 0. | 0. | 0. | 0. | 269. | 719. | 522. | 2005. | 7762. |
| 65-69 | 0. | 0. | 0. | 0. | 174. | 394. | 281. | 1039. | 2492. |
| 70-74 | 0. | 0. | 0. | 59. | 51. | 59. | 148. | 553. | 1002. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 59. | 71. | 57. | 296. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 65. | 0. | 53. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 62. | 0. | 48. |
| TOTAL | 0. | 0. | 0. | 24492. | 660960. | 1594093. | 1557293. | 1200726. | 1026268. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 165. | 290. | 58. | 0. | 0. | 0. | 0. | 0. | 0. | 2558. |
| 20-24 | 210. | 71. | 220. | 0. | 1. | 0. | 0. | 0. | 0. | 94058. |
| 25-29 | 274. | 69. | 219. | 0. | 0. | 0. | 69. | 0. | 0. | 897733. |
| 30-34 | 301. | 75. | 78. | 0. | 0. | 0. | 0. | 0. | 0. | 1530632. |
| 35-39 | 816. | 122. | 73. | 67. | 72. | 0. | 0. | 0. | 0. | 1421148. |
| 40-44 | 2171. | 421. | 317. | 54. | 57. | 0. | 52. | 0. | 0. | 1212571. |
| 45-49 | 282819. | 13725. | 517. | 194. | 0. | 0. | 0. | 0. | 0. | 966896. |
| 50-54 | 38370. | 209789. | 10915. | 457. | 146. | 0. | 74. | 0. | 0. | 785891. |
| 55-59 | 15352. | 28896. | 150507. | 12090. | 430. | 138. | 0. | 0. | 0. | 649340. |
| 60-64 | 35565. | 11635. | 168871. | 89977. | 11180. | 597. | 0. | 0. | 0. | 433821. |
| 65-69 | 10194. | 33687. | 78743. | 89717. | 53033. | 6737. | 272. | 0. | 0. | 276762. |
| 70-74 | 2876. | 10086. | 19587. | 37066. | 41357. | 21968. | 2909. | 64. | 0. | 137783. |
| 75-79 | 586. | 1324. | 4471. | 7937. | 13464. | 11310. | 6480. | 672. | 60. | 66786. |
| 80-84 | 56. | 355. | 1106. | 2031. | 2197. | 3869. | 2577. | 1857. | 64. | 14211. |
| 85+ | 0. | 255. | 63. | 454. | 558. | 639. | 741. | 765. | 131. | 3718. |
| TOTAL | 899200. | 675567. | 435743. | 240044. | 122494. | 45239. | 13176. | 3358. | 255. | 8473903. |

NUMBER OF CHILDREN
INTACT HOUSEHOLDS
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 5283. | 255856. | 1013834. | 628914. | 94187. | 2830. |
| 5- 9 | 0. | 0. | 0. | 79. | 12868. | 301542. | 994878. | 529678. | 140277. |
| 10-14 | 0. | 0. | 0. | 127. | 830. | 12301. | 299591. | 750756. | 628137. |
| 15-19 | 0. | 0. | 0. | 0. | 1135. | 3127. | 22100. | 212444. | 505642. |
| 20-24 | 0. | 0. | 0. | 0. | 980. | 1880. | 2047. | 6221. | 87389. |
| 25-29 | 0. | 0. | 0. | 0. | 417. | 1885. | 1596. | 1134. | 5404. |
| 30-34 | 0. | 0. | 0. | 0. | 136. | 417. | 501. | 402. | 423. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 77. | 93. | 270. | 102. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 3. | 2. | 7. | 11. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 86. | 0. | 64. | 66. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 5489. | 272220. | 1334946. | 1949716. | 1595218. | 1170277. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 555. | 207. | 222. | 245. | 82. | 54. | 0. | 0. | 0. | 2002061. |
| 5- 9 | 1184. | 1268. | 273. | 95. | 66. | 18. | 0. | 0. | 0. | 1985221. |
| 10-14 | 168733. | 56696. | 12924. | 1072. | 545. | 164. | 81. | 0. | 0. | 1731946. |
| 15-19 | 455875. | 196053. | 72095. | 12071. | 1759. | 598. | 139. | 0. | 0. | 1463035. |
| 20-24 | 278132. | 234908. | 103215. | 37471. | 7313. | 781. | 194. | 0. | 0. | 760531. |
| 25-29 | 82243. | 203724. | 123195. | 54480. | 17309. | 2379. | 228. | 0. | 0. | 493993. |
| 30-34 | 4775. | 49880. | 59140. | 29318. | 12529. | 3559. | 402. | 80. | 0. | 161581. |
| 35-39 | 264. | 1039. | 12844. | 12117. | 4983. | 2249. | 382. | 84. | 0. | 36504. |
| 40-44 | 3. | 16. | 93. | 731. | 673. | 213. | 44. | 4. | 4. | 1803. |
| 45-49 | 238. | 63. | 187. | 1183. | 6467. | 3233. | 1064. | 0. | 0. | 13252. |
| 50-54 | 0. | 110. | 0. | 61. | 712. | 3180. | 1133. | 278. | 0. | 5531. |
| 55-59 | 0. | 0. | 176. | 91. | 0. | 276. | 1214. | 579. | 0. | 2286. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 117. | 337. | 63. | 518. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 975000. | 743957. | 384365. | 148904. | 52437. | 16703. | 5599. | 1362. | 68. | 8656259. |

NUMBER OF CHILDREN
INTACT HOUSEHOLDS
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 4757. | 245667. | 966105. | 567016. | 83803. | 2666. |
| 5- 9 | 0. | 0. | 0. | 83. | 12175. | 283961. | 961588. | 481947. | 128896. |
| 10-14 | 0. | 0. | 0. | 122. | 675. | 12523. | 276630. | 693875. | 394696. |
| 15-19 | 0. | 0. | 0. | 111. | 735. | 2331. | 19119. | 186171. | 452495. |
| 20-24 | 0. | 0. | 0. | 0. | 329. | 875. | 1275. | 3960. | 74922. |
| 25-29 | 0. | 0. | 0. | 0. | 232. | 386. | 394. | 253. | 1287. |
| 30-34 | 0. | 0. | 0. | 0. | 151. | 160. | 78. | 262. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 236. | 49. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 3. | 1. | 0. | 5. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 69. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 5073. | 259964. | 1266408. | 1804097. | 1450483. | 1055013. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 553. | 238. | 198. | 152. | 156. | 58. | 0. | 0. | 0. | 1871364. |
| 5- 9 | 1710. | 1169. | 317. | 172. | 224. | 83. | 21. | 0. | 0. | 1854337. |
| 10-14 | 155901. | 51921. | 12497. | 1245. | 456. | 188. | 54. | 0. | 0. | 1598780. |
| 15-19 | 388373. | 179876. | 66874. | 13296. | 1574. | 336. | 90. | 0. | 0. | 1311378. |
| 20-24 | 269059. | 258759. | 109777. | 42562. | 8442. | 862. | 103. | 0. | 0. | 770605. |
| 25-29 | 27994. | 108022. | 76734. | 37479. | 14406. | 2725. | 387. | 0. | 0. | 270300. |
| 30-34 | 853. | 16276. | 33456. | 23198. | 10169. | 3965. | 674. | 247. | 0. | 89288. |
| 35-39 | 140. | 334. | 8103. | 15374. | 10069. | 3695. | 772. | 68. | 0. | 38838. |
| 40-44 | 3. | 2. | 31. | 259. | 505. | 240. | 83. | 4. | 4. | 1140. |
| 45-49 | 1. | 1. | 1. | 3. | 20. | 27. | 12. | 3. | 0. | 68. |
| 50-54 | 0. | 175. | 53. | 144. | 240. | 1146. | 1357. | 446. | 0. | 3561. |
| 55-59 | 0. | 0. | 165. | 0. | 0. | 53. | 756. | 486. | 0. | 1460. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 70. | 209. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 144. | 0. | 144. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 844584. | 616273. | 308206. | 133883. | 46261. | 13379. | 4108. | 1467. | 73. | 7911265. |

NUMBER OF CHILDREN
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 42. | 5871. | 27383. | 27460. | 6246. | 258. |
| 5- 9 | 0. | 0. | 0. | 38. | 266. | 14127. | 59187. | 38763. | 12496. |
| 10-14 | 0. | 0. | 0. | 212. | 235. | 827. | 21359. | 65234. | 63575. |
| 15-19 | 0. | 0. | 0. | 254. | 328. | 351. | 2179. | 23389. | 57865. |
| 20-24 | 0. | 0. | 0. | 0. | 45. | 159. | 44. | 834. | 13145. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 140. | 60. | 35. | 658. |
| 30-34 | 0. | 0. | 0. | 0. | 63. | 83. | 0. | 68. | 139. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 545. | 6308. | 43069. | 110268. | 134569. | 128193. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 60. | 33. | 60. | 46. | 29. | 0. | 0. | 0. | 0. | 66987. |
| 5- 9 | 524. | 206. | 88. | 50. | 169. | 71. | 22. | 0. | 0. | 125988. |
| 10-14 | 25078. | 12180. | 3867. | 304. | 299. | 288. | 54. | 0. | 0. | 173511. |
| 15-19 | 71372. | 56392. | 26022. | 5700. | 1284. | 893. | 182. | 345. | 50. | 244584. |
| 20-24 | 51785. | 70041. | 41578. | 18570. | 4098. | 703. | 260. | 270. | 0. | 201532. |
| 25-29 | 14561. | 59324. | 51246. | 28707. | 11428. | 1178. | 297. | 153. | 0. | 167786. |
| 30-34 | 1067. | 11949. | 17602. | 12496. | 5159. | 1919. | 236. | 123. | 77. | 50982. |
| 35-39 | 56. | 518. | 3174. | 2773. | 2303. | 850. | 268. | 130. | 0. | 9872. |
| 40-44 | 0. | 7. | 8. | 157. | 147. | 113. | 23. | 13. | 0. | 473. |
| 45-49 | 0. | 65. | 89. | 324. | 1386. | 1620. | 972. | 194. | 76. | 4726. |
| 50-54 | 0. | 0. | 71. | 58. | 481. | 602. | 1043. | 213. | 165. | 2705. |
| 55-59 | 0. | 0. | 55. | 50. | 0. | 114. | 674. | 290. | 301. | 1483. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 59. | 140. | 0. | 200. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 145. | 212. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 164503. | 208516. | 143857. | 69235. | 26784. | 8352. | 4090. | 1938. | 814. | 1051038. |

NUMBER OF CHILDREN
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 4185. | 29340. | 22935. | 5321. | 182. |
| 5- 9 | 0. | 0. | 0. | 35. | 451. | 12042. | 49109. | 34572. | 12007. |
| 10-14 | 0. | 0. | 0. | 39. | 38. | 604. | 18839. | 61731. | 40525. |
| 15-19 | 0. | 0. | 0. | 186. | 349. | 365. | 1128. | 21989. | 53762. |
| 20-24 | 0. | 0. | 0. | 115. | 166. | 211. | 73. | 766. | 10848. |
| 25-29 | 0. | 0. | 0. | 0. | 100. | 61. | 0. | 0. | 388. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 3. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 375. | 5289. | 42683. | 92086. | 124462. | 117716. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 56. | 65. | 61. | 44. | 29. | 0. | 0. | 0. | 0. | 62216. |
| 5- 9 | 447. | 225. | 92. | 28. | 27. | 94. | 45. | 37. | 0. | 109168. |
| 10-14 | 23395. | 12727. | 3574. | 601. | 398. | 139. | 91. | 88. | 0. | 162849. |
| 15-19 | 46501. | 45932. | 23790. | 5172. | 717. | 500. | 99. | 89. | 57. | 220637. |
| 20-24 | 44635. | 47526. | 42855. | 18011. | 4660. | 771. | 210. | 163. | 0. | 195008. |
| 25-29 | 5067. | 28817. | 25196. | 14844. | 6535. | 1524. | 71. | 375. | 74. | 83051. |
| 30-34 | 382. | 5172. | 10702. | 8707. | 5852. | 2065. | 764. | 165. | 0. | 33809. |
| 35-39 | 0. | 242. | 2500. | 3546. | 3530. | 1750. | 783. | 111. | 0. | 12529. |
| 40-44 | 0. | 2. | 8. | 106. | 204. | 161. | 86. | 20. | 7. | 598. |
| 45-49 | 0. | 1. | 0. | 1. | 5. | 14. | 11. | 5. | 2. | 39. |
| 50-54 | 0. | 84. | 0. | 51. | 488. | 1136. | 1783. | 921. | 313. | 4775. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 53. | 962. | 922. | 411. | 2348. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 269. | 220. | 0. | 489. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70. | 68. | 138. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 62. | 0. | 0. | 62. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 144480. | 160792. | 108779. | 51110. | 22445. | 8167. | 5234. | 3186. | 932. | 887719. |

NUMBER OF CHILDREN
SINGLE HEADED HOUSEHOLDS. MALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 50. | 1757. | 3893. | 1410. | 61. |
| 5- 9 | 0. | 0. | 0. | 0. | 126. | 422. | 3813. | 6715. | 3097. |
| 10-14 | 0. | 0. | 0. | 0. | 679. | 393. | 1025. | 4383. | 7760. |
| 15-19 | 0. | 0. | 0. | 48. | 583. | 196. | 316. | 714. | 4915. |
| 20-24 | 0. | 0. | 0. | 54. | 126. | 747. | 137. | 122. | 682. |
| 25-29 | 0. | 0. | 0. | 0. | 107. | 222. | 0. | 72. | 108. |
| 30-34 | 0. | 0. | 0. | 0. | 130. | 79. | 158. | 77. | 48. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. |
| 40-44 | 0. | 0. | 0. | 1. | 0. | 3. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 103. | 1803. | 3819. | 9362. | 13493. | 16707. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 28. | 39. | 62. | 39. | 27. | 26. | 0. | 0. | 0. | 7391. |
| 5- 9 | 173. | 127. | 170. | 68. | 60. | 99. | 0. | 0. | 0. | 14831. |
| 10-14 | 6203. | 3208. | 2664. | 704. | 333. | 184. | 0. | 27. | 0. | 27564. |
| 15-19 | 12702. | 9802. | 6960. | 3191. | 1435. | 908. | 42. | 90. | 139. | 42060. |
| 20-24 | 4976. | 10005. | 8148. | 4794. | 3630. | 1666. | 0. | 94. | 171. | 35350. |
| 25-29 | 862. | 7847. | 9482. | 7288. | 4855. | 2054. | 575. | 145. | 77. | 33695. |
| 30-34 | 113. | 1116. | 5131. | 4977. | 4135. | 1862. | 908. | 309. | 0. | 19044. |
| 35-39 | 44. | 16. | 540. | 1884. | 1745. | 1522. | 413. | 220. | 43. | 6463. |
| 40-44 | 0. | 0. | 0. | 79. | 207. | 187. | 89. | 28. | 4. | 598. |
| 45-49 | 0. | 0. | 0. | 98. | 1321. | 2633. | 1286. | 589. | 312. | 6239. |
| 50-54 | 0. | 0. | 0. | 0. | 206. | 1125. | 1377. | 887. | 317. | 3912. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 502. | 632. | 199. | 1333. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 180. | 195. | 181. | 557. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 137. | 139. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 25097. | 32159. | 33158. | 23123. | 17954. | 12228. | 5373. | 3217. | 1580. | 199154. |

NUMBER OF CHILDREN
SINGLE HEADED HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 95. | 1162. | 3253. | 1458. | 73. |
| 5- 9 | 0. | 0. | 0. | 35. | 0. | 242. | 3381. | 6021. | 3046. |
| 10-14 | 0. | 0. | 0. | 115. | 336. | 267. | 719. | 4240. | 6858. |
| 15-19 | 0. | 0. | 0. | 0. | 622. | 661. | 152. | 867. | 5285. |
| 20-24 | 0. | 0. | 0. | 0. | 417. | 1001. | 69. | 74. | 577. |
| 25-29 | 0. | 0. | 0. | 0. | 93. | 462. | 266. | 197. | 20. |
| 30-34 | 0. | 0. | 0. | 0. | 66. | 0. | 305. | 595. | 0. |
| 35-39 | 0. | 0. | 0. | 39. | 0. | 0. | 63. | 135. | 58. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 93. | 0. | 0. | 131. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 189. | 1630. | 3889. | 8207. | 13587. | 16047. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 25. | 86. | 15. | 0. | 1. | 0. | 0. | 0. | 0. | 6167. |
| 5- 9 | 150. | 132. | 113. | 99. | 64. | 0. | 0. | 0. | 0. | 13277. |
| 10-14 | 4935. | 3055. | 2214. | 920. | 272. | 77. | 27. | 30. | 0. | 24043. |
| 15-19 | 10900. | 9520. | 7147. | 3006. | 1909. | 655. | 39. | 97. | 0. | 40872. |
| 20-24 | 4688. | 13031. | 9633. | 6272. | 3713. | 1492. | 264. | 210. | 120. | 41562. |
| 25-29 | 657. | 3506. | 6401. | 5162. | 4311. | 2353. | 649. | 187. | 73. | 24136. |
| 30-34 | 39. | 345. | 1878. | 3870. | 4396. | 2494. | 528. | 482. | 0. | 14997. |
| 35-39 | 0. | 18. | 454. | 1562. | 3132. | 2896. | 1216. | 556. | 67. | 10196. |
| 40-44 | 10. | 0. | 1. | 50. | 128. | 181. | 115. | 43. | 15. | 546. |
| 45-49 | 0. | 1. | 0. | 0. | 8. | 13. | 11. | 6. | 4. | 44. |
| 50-54 | 0. | 0. | 0. | 44. | 96. | 449. | 1549. | 1084. | 287. | 3735. |
| 55-59 | 0. | 0. | 58. | 0. | 43. | 99. | 682. | 403. | 646. | 1929. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 65. | 0. | 279. | 131. | 476. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64. | 0. | 64. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 56. | 58. | 0. | 115. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 21210. | 29700. | 27913. | 20982. | 18022. | 10775. | 5138. | 3497. | 1371. | 182157. |

1990 KOREA

NUMBER OF PARENTS
INTACT HOUSEHOLDS
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 94. | 281. | 112. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 196. | 1751. | 2284. | 638. | 88. | 0. |
| 55-59 | 0. | 0. | 0. | 173. | 2409. | 8439. | 4734. | 1026. | 0. |
| 60-64 | 0. | 0. | 0. | 32. | 1509. | 5986. | 6235. | 3412. | 858. |
| 65-69 | 0. | 0. | 0. | 177. | 3746. | 12101. | 13853. | 12892. | 9086. |
| 70-74 | 0. | 0. | 0. | 0. | 2523. | 7690. | 11700. | 11034. | 10358. |
| 75-79 | 0. | 0. | 0. | 49. | 1125. | 3842. | 5313. | 6008. | 8296. |
| 80-84 | 0. | 0. | 0. | 0. | 356. | 1678. | 2585. | 2958. | 4223. |
| 85+ | 0. | 0. | 0. | 0. | 187. | 299. | 999. | 805. | 999. |
| TOTAL | 0. | 0. | 0. | 721. | 14386. | 42432. | 46037. | 38223. | 33810. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 487. |
| 50-54 | 0. | 0. | 0. | 75. | 0. | 0. | 0. | 0. | 0. | 5032. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17282. |
| 60-64 | 124. | 43. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18198. |
| 65-69 | 2408. | 810. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54570. |
| 70-74 | 7013. | 1608. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51925. |
| 75-79 | 6825. | 3610. | 1055. | 60. | 0. | 0. | 0. | 0. | 0. | 36202. |
| 80-84 | 4481. | 2714. | 1436. | 370. | 50. | 0. | 0. | 0. | 0. | 19836. |
| 85+ | 1770. | 1521. | 857. | 428. | 61. | 57. | 0. | 0. | 0. | 7983. |
| TOTAL | 21618. | 9826. | 3348. | 933. | 117. | 57. | 0. | 0. | 0. | 211514. |

1990 KUREA

NUMBER OF PARENTS
INTACT HOUSEHOLDS
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 124. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 136. | 0. | 48. | 0. | 76. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 632. | 20360. | 62818. | 14556. | 1015. | 197. |
| 55-59 | 0. | 0. | 0. | 558. | 20953. | 65433. | 56756. | 17706. | 1190. |
| 60-64 | 0. | 0. | 0. | 449. | 15189. | 57012. | 74729. | 53139. | 21853. |
| 65-69 | 0. | 0. | 0. | 398. | 10249. | 39115. | 59068. | 64600. | 53083. |
| 70-74 | 0. | 0. | 0. | 123. | 3696. | 17437. | 42350. | 45065. | 52427. |
| 75-79 | 0. | 0. | 0. | 98. | 1637. | 7181. | 14384. | 19913. | 28561. |
| 80-84 | 0. | 0. | 0. | 49. | 1043. | 3557. | 5961. | 8256. | 12680. |
| 85+ | 0. | 0. | 0. | 43. | 623. | 2124. | 3799. | 2342. | 3776. |
| TOTAL | 0. | 0. | 0. | 2310. | 73884. | 234800. | 271630. | 212034. | 173818. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 124. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 298. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 217. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 79790. |
| 55-59 | 52. | 65. | 0. | 57. | 0. | 0. | 0. | 0. | 0. | 162767. |
| 60-64 | 2081. | 184. | 62. | 0. | 0. | 0. | 0. | 0. | 0. | 226699. |
| 65-69 | 22421. | 1996. | 127. | 0. | 0. | 0. | 0. | 0. | 0. | 250997. |
| 70-74 | 38986. | 14904. | 1273. | 64. | 0. | 0. | 0. | 0. | 0. | 216326. |
| 75-79 | 34950. | 25209. | 8283. | 663. | 0. | 64. | 0. | 0. | 0. | 140919. |
| 80-84 | 17078. | 20045. | 11279. | 3470. | 409. | 63. | 0. | 0. | 0. | 83890. |
| 85+ | 6570. | 8116. | 6807. | 2921. | 1578. | 372. | 69. | 0. | 0. | 38739. |
| TOTAL | 122455. | 70515. | 27832. | 6776. | 1987. | 499. | 69. | 0. | 0. | 1198507. |

NUMBER OF PARENTS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 48. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 71. | 156. | 259. | 80. | 55. | 35. |
| 60-64 | 0. | 0. | 0. | 0. | 41. | 136. | 105. | 103. | 25. |
| 65-69 | 0. | 0. | 0. | 0. | 58. | 81. | 503. | 138. | 285. |
| 70-74 | 0. | 0. | 0. | 46. | 0. | 141. | 85. | 162. | 516. |
| 75-79 | 0. | 0. | 0. | 0. | 55. | 0. | 247. | 127. | 344. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 72. | 79. | 124. | 208. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 106. |
| TOTAL | 0. | 0. | 0. | 117. | 356. | 688. | 1098. | 709. | 1558. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. |
| 50-54 | 73. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 653. |
| 60-64 | 28. | 0. | 31. | 0. | 0. | 0. | 0. | 0. | 0. | 466. |
| 65-69 | 48. | 57. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1171. |
| 70-74 | 262. | 221. | 67. | 0. | 0. | 0. | 0. | 0. | 0. | 1280. |
| 75-79 | 415. | 259. | 98. | 0. | 0. | 0. | 0. | 0. | 0. | 1509. |
| 80-84 | 107. | 290. | 112. | 61. | 0. | 0. | 0. | 0. | 0. | 1053. |
| 85+ | 248. | 189. | 61. | 0. | 0. | 0. | 0. | 0. | 0. | 606. |
| TOTAL | 1180. | 1016. | 308. | 61. | 0. | 0. | 0. | 0. | 0. | 6893. |

NUMBER OF PARENTS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 1102. | 1305. | 716. | 19. | 0. |
| 55-59 | 0. | 0. | 0. | 135. | 582. | 1163. | 2492. | 1203. | 59. |
| 60-64 | 0. | 0. | 0. | 216. | 481. | 1491. | 3691. | 3363. | 1693. |
| 65-69 | 0. | 0. | 0. | 149. | 132. | 1156. | 2786. | 3686. | 4553. |
| 70-74 | 0. | 0. | 0. | 0. | 160. | 205. | 1242. | 2834. | 3925. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 464. | 848. | 681. | 1990. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 192. | 282. | 1165. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 245. | 423. |
| TOTAL | 0. | 0. | 0. | 500. | 2456. | 5783. | 11963. | 12309. | 14009. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3136. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5613. |
| 60-64 | 148. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11084. |
| 65-69 | 2208. | 535. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15202. |
| 70-74 | 4811. | 2412. | 331. | 0. | 0. | 0. | 0. | 0. | 0. | 15422. |
| 75-79 | 4128. | 3170. | 1659. | 290. | 0. | 0. | 0. | 0. | 0. | 13427. |
| 80-84 | 1652. | 2519. | 2046. | 978. | 249. | 0. | 0. | 0. | 0. | 9289. |
| 85+ | 984. | 1712. | 2185. | 972. | 475. | 62. | 0. | 0. | 69. | 6909. |
| TOTAL | 13009. | 10548. | 6925. | 2240. | 723. | 62. | 0. | 0. | 69. | 80071. |

NUMBER OF PARENTS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
MALE MEMBERS

| AGE OF CHILD | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 144. | 117. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 99. | 287. | 203. | 243. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 291. | 1120. | 81. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 35. | 261. | 984. | 380. | 113. | 52. |
| 65-69 | 0. | 0. | 0. | 118. | 493. | 660. | 446. | 352. | 280. |
| 70-74 | 0. | 0. | 0. | 0. | 572. | 536. | 136. | 62. | 255. |
| 75-79 | 0. | 0. | 0. | 98. | 109. | 223. | 74. | 239. | 0. |
| 80-84 | 0. | 0. | 0. | 93. | 215. | 0. | 72. | 63. | 0. |
| 85+ | 0. | 0. | 0. | 52. | 180. | 74. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 591. | 2521. | 1881. | 1198. | 829. | 588. |

| AGE OF CHILD | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 261. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 832. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1496. |
| 60-64 | 27. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1852. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2319. |
| 70-74 | 502. | 0. | 96. | 0. | 0. | 0. | 0. | 0. | 0. | 2069. |
| 75-79 | 166. | 218. | 48. | 0. | 0. | 0. | 0. | 0. | 0. | 1160. |
| 80-84 | 1. | 0. | 59. | 112. | 0. | 0. | 0. | 0. | 0. | 564. |
| 85+ | 59. | 46. | 127. | 0. | 0. | 0. | 0. | 0. | 0. | 561. |
| TOTAL | 756. | 282. | 479. | 112. | 0. | 0. | 0. | 0. | 0. | 11112. |

NUMBER OF PARENTS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 75. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 477. | 35. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 1687. | 10996. | 18267. | 6915. | 142. | 0. |
| 55-59 | 0. | 0. | 0. | 1368. | 9301. | 21077. | 8984. | 2894. | 171. |
| 60-64 | 0. | 0. | 0. | 1030. | 5135. | 12469. | 6402. | 4328. | 2858. |
| 65-69 | 0. | 0. | 0. | 967. | 2466. | 7327. | 5408. | 2915. | 3627. |
| 70-74 | 0. | 0. | 0. | 0. | 992. | 2061. | 2469. | 2142. | 2078. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 999. | 624. | 783. | 955. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 325. | 241. | 465. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 56. |
| TOTAL | 0. | 0. | 0. | 5505. | 29125. | 62196. | 29126. | 13478. | 10210. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 511. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35922. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43794. |
| 60-64 | 267. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32668. |
| 65-69 | 3009. | 502. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26195. |
| 70-74 | 2555. | 2249. | 231. | 0. | 0. | 0. | 0. | 0. | 0. | 14779. |
| 75-79 | 1210. | 2273. | 1525. | 49. | 0. | 0. | 0. | 0. | 0. | 8659. |
| 80-84 | 436. | 698. | 979. | 895. | 279. | 0. | 0. | 0. | 0. | 4316. |
| 85+ | 242. | 158. | 451. | 289. | 188. | 215. | 0. | 0. | 0. | 2241. |
| TOTAL | 7762. | 5881. | 3186. | 1232. | 1068. | 215. | 0. | 0. | 0. | 168962. |

NUMBER OF GRANDCHILDREN
INTACT HOUSEHOLDS
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 396. | 204. | 1617. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 183. | 137. | 237. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 48. | 665. | 126. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 251. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 12. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 637. | 1018. | 2232. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 13908. | 50151. | 99017. | 29352. | 10118. | 3077. | 605. | 116. | 0. | 151160. |
| 5- 9 | 1561. | 14795. | 20834. | 21408. | 10325. | 3834. | 545. | 286. | 0. | 79828. |
| 10-14 | 515. | 1665. | 8982. | 16554. | 10830. | 3616. | 823. | 195. | 0. | 43825. |
| 15-19 | 389. | 812. | 1626. | 3650. | 2831. | 1207. | 568. | 217. | 0. | 11138. |
| 20-24 | 137. | 208. | 298. | 182. | 238. | 556. | 707. | 232. | 23. | 2592. |
| 25-29 | 0. | 0. | 215. | 150. | 46. | 307. | 394. | 327. | 79. | 1518. |
| 30-34 | 126. | 0. | 0. | 96. | 29. | 158. | 360. | 215. | 0. | 996. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 35. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 16619. | 66967. | 81770. | 66562. | 34623. | 12756. | 3982. | 1848. | 102. | 291069. |

NUMBER OF GRANDCHILDREN
INTACT HOUSEHOLDS
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 165. | 258. | 1452. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 246. | 845. | 150. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 75. | 296. | 336. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 13. | 89. | 178. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 4. | 0. | 84. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 8. | 0. | 59. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 508. | 988. | 2259. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 13940. | 42018. | 35800. | 22612. | 9305. | 2605. | 320. | 117. | 0. | 128591. |
| 5- 9 | 1340. | 12112. | 21213. | 17857. | 8165. | 3320. | 482. | 75. | 0. | 65308. |
| 10-14 | 309. | 2390. | 10334. | 16868. | 9224. | 3400. | 773. | 106. | 6. | 44117. |
| 15-19 | 240. | 501. | 1678. | 5016. | 2326. | 1128. | 626. | 444. | 8. | 10302. |
| 20-24 | 98. | 539. | 194. | 224. | 139. | 448. | 449. | 339. | 0. | 2517. |
| 25-29 | 44. | 69. | 52. | 28. | 34. | 234. | 373. | 268. | 0. | 1168. |
| 30-34 | 0. | 0. | 0. | 111. | 0. | 41. | 41. | 70. | 0. | 263. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 0. | 0. | 53. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 16033. | 57628. | 69272. | 60715. | 29192. | 11176. | 3116. | 1419. | 14. | 252320. |

NUMBER OF GRANDCHILDREN
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 73. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 58. |
| 10-14 | 0. | 0. | 0. | 0. | 53. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 18. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 3. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 53. | 155. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 2757. | 9192. | 10160. | 7438. | 5575. | 1377. | 381. | 208. | 187. | 36758. |
| 5- 9 | 1261. | 3618. | 8642. | 6811. | 5885. | 2020. | 892. | 213. | 0. | 28513. |
| 10-14 | 980. | 2783. | 4659. | 7781. | 6001. | 3006. | 1095. | 288. | 56. | 26567. |
| 15-19 | 481. | 527. | 1021. | 2122. | 2715. | 1785. | 1116. | 509. | 73. | 9119. |
| 20-24 | 500. | 573. | 948. | 1491. | 1231. | 674. | 1038. | 695. | 82. | 7222. |
| 25-29 | 471. | 0. | 0. | 25. | 2951. | 701. | 1120. | 687. | 140. | 2965. |
| 30-34 | 0. | 72. | 0. | 0. | 0. | 1422. | 227. | 283. | 81. | 806. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 6450. | 16965. | 25432. | 26316. | 20760. | 9410. | 5867. | 2884. | 620. | 105963. |

NUMBER OF GRANDCHILDREN
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 207. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58. | 13. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58. | 233. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 2404. | 8801. | 9686. | 5927. | 3657. | 1234. | 321. | 335. | 37. | 32607. |
| 5- 9 | 2694. | 21806. | 8533. | 6082. | 4099. | 1815. | 516. | 203. | 10. | 21701. |
| 10-14 | 85. | 1132. | 3605. | 5876. | 5328. | 2458. | 843. | 192. | 9. | 19598. |
| 15-19 | 0. | 175. | 844. | 1588. | 1877. | 1122. | 1130. | 377. | 102. | 7196. |
| 20-24 | 0. | 77. | 46. | 67. | 451. | 667. | 1548. | 397. | 173. | 3426. |
| 25-29 | 0. | 0. | 97. | 33. | 106. | 287. | 279. | 136. | 133. | 1071. |
| 30-34 | 0. | 0. | 0. | 0. | 90. | 0. | 297. | 81. | 72. | 539. |
| 35-39 | 0. | 15. | 28. | 0. | 0. | 0. | 0. | 0. | 0. | 43. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 2759. | 12107. | 20838. | 19533. | 15602. | 7583. | 4933. | 1721. | 537. | 86180. |

1990 KUREA

NUMBER OF GRANDCHILDREN
SINGLE HEADED HOUSEHOLDS, MALE HEADS
MALE MEMBERS

| AGE GROUP | AGE OF HEAD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 76. | 35. | 53. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78. | 22. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 124. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 34. | 56. | 50. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | 89. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 109. | 194. | 403. |

| AGE GROUP | AGE OF HEAD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
| 0- 4 | 262. | 1425. | 3680. | 5156. | 1876. | 1828. | 727. | 274. | 182. | 16353. |
| 5- 9 | 19. | 311. | 1583. | 3186. | 3151. | 3118. | 783. | 557. | 17. | 12824. |
| 10-14 | 20. | 65. | 618. | 1360. | 2526. | 2714. | 1116. | 650. | 48. | 9262. |
| 15-19 | 12. | 11. | 11. | 310. | 715. | 687. | 640. | 488. | 195. | 3253. |
| 20-24 | 0. | 0. | 36. | 28. | 64. | 177. | 923. | 441. | 356. | 2139. |
| 25-29 | 0. | 0. | 0. | 0. | 44. | 84. | 637. | 511. | [illegible] | 1444. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 221. | 197. | 209. | 598. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 10. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 313. | 1832. | 5753. | 9037. | 10376. | 8611. | 4955. | 3117. | 1175. | 45862. |

NUMBER OF GRANDCHILDREN
SINGLE HEADED HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 32. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 77. | 33. | 18. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 53. | 109. | 40. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 44. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 212. | 174. | 58. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 319. | 1556. | 3672. | 3095. | 3097. | 1736. | 993. | 339. | 83. | 14958. |
| 5- 9 | 0. | 138. | 1619. | 1926. | 3102. | 2050. | 504. | 330. | 28. | 9622. |
| 10-14 | 6. | 73. | 205. | 1219. | 2289. | 2409. | 954. | 602. | 92. | 8112. |
| 15-19 | 6. | 0. | 45. | 281. | 592. | 540. | 704. | 445. | 55. | 2711. |
| 20-24 | 5. | 0. | 36. | 36. | 56. | 193. | 596. | 268. | 129. | 1321. |
| 25-29 | 0. | 25. | 0. | 0. | 0. | 26. | 651. | 181. | 295. | 1178. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 49. | 0. | 0. | 0. | 99. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 34. | 43. | 0. | 0. | 77. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55. | 0. | 55. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 336. | 1789. | 5378. | 6616. | 9135. | 7038. | 4445. | 2218. | 683. | 38083. |

NUMBER OF OTHERS
INTACT HOUSEHOLDS
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 152. | 1961. | 3190. | 1928. | 978. | 890. |
| 15-19 | 0. | 0. | 0. | 1508. | 28926. | 66126. | 44960. | 25307. | 15965. |
| 20-24 | 0. | 0. | 0. | 1367. | 29976. | 76556. | 59052. | 28448. | 16848. |
| 25-29 | 0. | 0. | 0. | 927. | 17472. | 82714. | 80885. | 46177. | 25143. |
| 30-34 | 0. | 0. | 0. | 0. | 2603. | 20386. | 33188. | 20830. | 14132. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 495. | 5182. | 7353. | 4630. | 6693. |
| 50-54 | 0. | 0. | 0. | 0. | 1218. | 6398. | 11304. | 8335. | 14656. |
| 55-59 | 0. | 0. | 0. | 0. | 301. | 4609. | 2461. | 3828. | 2158. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 24. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 67. | 22. | 62. |
| TOTAL | 0. | 0. | 0. | 3954. | 82552. | 283134. | 241197. | 136583. | 96345. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. |
| 10-14 | 182. | 639. | 457. | 215. | 131. | 12. | 0. | 0. | 0. | 11337. |
| 15-19 | 11985. | 6833. | 3814. | 2237. | 1488. | 649. | 193. | 0. | 0. | 208138. |
| 20-24 | 11113. | 7861. | 2836. | 1427. | 580. | 485. | 68. | 53. | 0. | 236627. |
| 25-29 | 14504. | 9798. | 5051. | 2130. | 1341. | 202. | 0. | 0. | 0. | 284981. |
| 30-34 | 9716. | 3649. | 3078. | 858. | 1041. | 211. | 0. | 0. | 0. | 109690. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 6936. | 5091. | 2786. | 1212. | 641. | 0. | 0. | 0. | 0. | 40879. |
| 50-54 | 19936. | 18275. | 5399. | 3944. | 2821. | 3054. | 0. | 0. | 0. | 95285. |
| 55-59 | 5569. | 3651. | 2631. | 1536. | 765. | 0. | 388. | 0. | 0. | 27679. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 22. | 25. | 22. | 0. | 1. | 22. | 0. | 0. | 0. | 115. |
| 85+ | 93. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 276. |
| TOTAL | 80602. | 55605. | 26073. | 14717. | 8788. | 4635. | 868. | 53. | 0. | 1014966. |

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NUMBER OF OTHERS
INTACT HOUSEHOLDS
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 210. | 1926. | 3196. | 2422. | 1206. | 1251. |
| 15-19 | 0. | 0. | 0. | 556. | 21398. | 56163. | 41603. | 25163. | 13667. |
| 20-24 | 0. | 0. | 0. | 312. | 13726. | 65629. | 39513. | 22105. | 13233. |
| 25-29 | 0. | 0. | 0. | 19. | 1188. | 5125. | 6035. | 3850. | 1959. |
| 30-34 | 0. | 0. | 0. | 0. | 1303. | 11220. | 18207. | 17062. | 9651. |
| 35-39 | 0. | 0. | 0. | 0. | 1722. | 3228. | 5907. | 5638. | 4638. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 112. | 19. | 82. | 76. |
| 60-64 | 0. | 0. | 0. | 0. | 66. | 1134. | 895. | 971. | 295. |
| 65-69 | 0. | 0. | 0. | 0. | 296. | 887. | 1023. | 807. | 628. |
| 70-74 | 0. | 0. | 0. | 0. | 108. | 520. | 1426. | 1566. | 1339. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 217. | 1492. | 307. | 158. |
| 80-84 | 0. | 0. | 0. | 0. | 200. | 667. | 225. | 395. | 721. |
| 85+ | 0. | 0. | 0. | 0. | 232. | 755. | 568. | 208. | 436. |
| TOTAL | 0. | 0. | 0. | 1097. | 44160. | 127029. | 119396. | 79123. | 48553. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 1072. | 721. | 592. | 482. | 251. | 51. | 0. | 0. | 0. | 13579. |
| 15-19 | 11189. | 7582. | 5823. | 2896. | 782. | 680. | 119. | 237. | 0. | 165830. |
| 20-24 | 8831. | 6666. | 2179. | 1432. | 682. | 523. | 63. | 0. | 0. | 154875. |
| 25-29 | 1680. | 904. | 571. | 282. | 156. | 0. | 24. | 0. | 0. | 21591. |
| 30-34 | 7495. | 5379. | 2393. | 303. | 317. | 276. | 0. | 0. | 0. | 76104. |
| 35-39 | 3589. | 1769. | 1711. | 518. | 209. | 382. | 180. | 196. | 0. | 29393. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 65. | 116. | 53. | 59. | 17. | 11. | 5. | 0. | 0. | 678. |
| 60-64 | 453. | 567. | 808. | 128. | 162. | 51. | 0. | 0. | 0. | 5996. |
| 65-69 | 876. | 658. | 117. | 206. | 213. | 127. | 0. | 0. | 0. | 5824. |
| 70-74 | 1526. | 505. | 524. | 117. | 128. | 265. | 0. | 0. | 0. | 8201. |
| 75-79 | 1531. | 926. | 752. | 180. | 151. | 0. | 0. | 0. | 0. | 5916. |
| 80-84 | 680. | 918. | 662. | 236. | 227. | 208. | 0. | 0. | 0. | 4935. |
| 85+ | 0. | 0. | 6. | 580. | 0. | 0. | 0. | 0. | 0. | 2786. |
| TOTAL | 39280. | 26695. | 15995. | 7657. | 3292. | 2574. | 412. | 434. | 0. | 515656. |

NUMBER OF OTHERS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | AGE OF HEAD 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1136. | 1838. | 170. | 61. | 117. | 136. |
| 15-19 | 0. | 0. | 0. | 5839. | 21527. | 5996. | 3248. | 2656. | 2720. |
| 20-24 | 0. | 0. | 0. | 160. | 4614. | 5615. | 3076. | 1725. | 2152. |
| 25-29 | 0. | 0. | 0. | 84. | 1238. | 3225. | 4483. | 4874. | 3159. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 1298. | 1810. | 2294. | 2812. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 580. | 764. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2228. | 4205. |
| 55-59 | 0. | 0. | 0. | 0. | 109. | 0. | 0. | 0. | 837. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 7219. | 29086. | 15256. | 12656. | 14272. | 16785. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 183. | 268. | 179. | 182. | 99. | 37. | 12. | 0. | 0. | 4098. |
| 15-19 | 1939. | 5510. | 2687. | 2035. | 1336. | 501. | 526. | 0. | 0. | 55819. |
| 20-24 | 2183. | 3188. | 1576. | 1511. | 952. | 495. | 124. | 59. | 0. | 27162. |
| 25-29 | 2828. | 3365. | 2601. | 2195. | 1155. | 622. | 328. | 0. | 0. | 30143. |
| 30-34 | 4503. | 4039. | 3729. | 4388. | 707. | 0. | 200. | 0. | 0. | 44530. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 2181. | 1961. | 247. | 680. | 678. | 340. | 0. | 0. | 0. | 7632. |
| 50-54 | 6169. | 3436. | 9288. | 1393. | 1340. | 0. | 0. | 0. | 0. | 28627. |
| 55-59 | 919. | 1639. | 753. | 0. | 789. | 738. | 0. | 0. | 0. | 5983. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 20172. | 23986. | 19036. | 9039. | 7106. | 2733. | 1190. | 59. | 0. | 174490. |

NUMBER OF OTHERS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 175. | 1104. | 324. | 119. | 161. | 180. |
| 15-19 | 0. | 0. | 0. | 6487. | 26528. | 6323. | 1525. | 2567. | 2516. |
| 20-24 | 0. | 0. | 0. | 90. | 7715. | 8887. | 4861. | 3600. | 2251. |
| 25-29 | 0. | 0. | 0. | 0. | 188. | 877. | 636. | 749. | 561. |
| 30-34 | 0. | 0. | 0. | 50. | 918. | 1360. | 1660. | 1185. | 1151. |
| 35-39 | 0. | 0. | 0. | 0. | 155. | 388. | 666. | 1650. | 1056. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 5. | 5. | 16. | 0. | 6. | 21. |
| 60-64 | 0. | 0. | 0. | 19. | 0. | 0. | 58. | 147. | 43. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 208. | 0. | 64. | 108. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 170. | 104. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 152. | 404. | 164. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 8.04. | 36615. | 18835. | 11909. | 12503. | 10029. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 333. | 377. | 376. | 35. | 97. | 30. | 14. | 0. | 27. | 4692. |
| 15-19 | 2610. | 2152. | 1755. | 1482. | 1111. | 662. | 589. | 311. | 60. | 58907. |
| 20-24 | 2082. | 1897. | 1700. | 87. | 991. | 345. | 89. | 91. | 0. | 36789. |
| 25-29 | 414. | 468. | 238. | 85. | 91. | 23. | 22. | 0. | 0. | 4185. |
| 30-34 | 3024. | 3242. | 1787. | 365. | 248. | 903. | 0. | 0. | 0. | 21857. |
| 35-39 | 1553. | 1318. | 0. | 430. | 429. | 0. | 419. | 0. | 0. | 7955. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 32. | 36. | 0. | 29. | 0. | 11. | 5. | 0. | 0. | 162. |
| 60-64 | 1. | 272. | 51. | 251. | 62. | 96. | 1. | 58. | 0. | 1083. |
| 65-69 | 54. | 233. | 415. | 48. | 0. | 33. | 65. | 0. | 0. | 1653. |
| 70-74 | 201. | 0. | 0. | 68. | 0. | 122. | 0. | 0. | 121. | 1350. |
| 75-79 | 142. | 158. | 179. | 182. | 0. | 0. | 0. | 169. | 0. | 1760. |
| 80-84 | 140. | 0. | 473. | 0. | 0. | 0. | 0. | 255. | 0. | 897. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 259. | 0. | 259. |
| TOTAL | 11132. | 10352. | 6974. | 4988. | 3036. | 2065. | 1239. | 1072. | 208. | 139041. |

NUMBER OF OTHERS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
MALE MEMBERS

| AGE GROUP | AGE OF HEAD | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | |
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 10-14 | 0. | 0. | 0. | 1178. | 1909. | 1403. | 282. | 75. | 62. | |
| 15-19 | 0. | 0. | 0. | 8526. | 15660. | 11000. | 1111. | 938. | 507. | |
| 20-24 | 0. | 0. | 0. | 886. | 10695. | 19521. | 6719. | 1738. | 661. | |
| 25-29 | 0. | 0. | 0. | 146. | 1857. | 12665. | 12605. | 3130. | 1117. | |
| 30-34 | 0. | 0. | 0. | 228. | 855. | 1853. | 2595. | 1820. | 2229. | |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 45-49 | 0. | 0. | 0. | 0. | 216. | 0. | 0. | 0. | 228. | |
| 50-54 | 0. | 0. | 0. | 1856. | 0. | 0. | 0. | 1115. | 0. | |
| 55-59 | 0. | 0. | 0. | 294. | 0. | 0. | 0. | 0. | 0. | |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 85+ | 0. | 0. | 0. | 59. | 0. | 0. | 0. | 0. | 0. | |
| TOTAL | 0. | 0. | 0. | 13149. | 30660. | 71209. | 26618. | 8716. | 4985. | |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 21. | 46. | 26. | 28. | 49. | 10. | 0. | 0. | 23. | 5168. |
| 15-19 | 578. | 524. | 115. | 142. | 197. | 126. | 233. | 51. | 52. | 68542. |
| 20-24 | 636. | 557. | 241. | 218. | 280. | 53. | 82. | 62. | 0. | 52072. |
| 25-29 | 1127. | 369. | 110. | 110. | 520. | 209. | 187. | 0. | 101. | 33826. |
| 30-34 | 197. | 1161. | 626. | 209. | 0. | 0. | 0. | 0. | 0. | 11766. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 896. | 786. | 327. | 285. | 0. | 289. | 0. | 0. | 0. | 3027. |
| 50-54 | 2505. | 1707. | 0. | 3981. | 0. | 1184. | 0. | 0. | 0. | 12338. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 296. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 16. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39. |
| TOTAL | 5980. | 5039. | 1644. | 5178. | 1266. | 1870. | 483. | 113. | 176. | 187083. |

NUMBER OF OTHERS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1231. | 1982. | 1350. | 289. | 66. | 36. |
| 15-19 | 0. | 0. | 0. | 6658. | 22656. | 26759. | 6559. | 877. | 351. |
| 20-24 | 0. | 0. | 0. | 3112. | 8098. | 22718. | 5504. | 1436. | 555. |
| 25-29 | 0. | 0. | 0. | 146. | 853. | 1368. | 1723. | 344. | 259. |
| 30-34 | 0. | 0. | 0. | 216. | 1322. | 4352. | 2626. | 1955. | 1908. |
| 35-39 | 0. | 0. | 0. | 0. | 287. | 998. | 1350. | 192. | 468. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 11. | 0. | 0. | 18. |
| 60-64 | 0. | 0. | 0. | 78. | 0. | 110. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 76. | 76. | 0. | 101. |
| 70-74 | 0. | 0. | 0. | 0. | 138. | 0. | 0. | 125. | 121. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 201. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 180. | 0. | 0. | 196. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 211. | 0. | 0. | 202. |
| TOTAL | 0. | 0. | 0. | 11663. | 35465. | 60219. | 16189. | 5200. | 4019. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 65. | 68. | 31. | 10. | 65. | 15. | 0. | 15. | 0. | 5239. |
| 15-19 | 621. | 187. | 595. | 120. | 538. | 197. | 0. | 0. | 56. | 64072. |
| 20-24 | 575. | 262. | 127. | 110. | 179. | 205. | 0. | 10. | 0. | 43268. |
| 25-29 | 68. | 80. | 48. | 86. | 22. | 95. | 0. | 0. | 46. | 5180. |
| 30-34 | 535. | 1051. | 520. | 31. | 262. | 0. | 0. | 0. | 0. | 16767. |
| 35-39 | 766. | 517. | 203. | 0. | 0. | 0. | 191. | 0. | 191. | 5156. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 13. | 5. | 15. | 5. | 0. | 0. | 0. | 0. | 67. |
| 60-64 | 82. | 0. | 158. | 97. | 0. | 104. | 0. | 0. | 0. | 629. |
| 65-69 | 0. | 89. | 79. | 77. | 0. | 0. | 0. | 0. | 0. | 492. |
| 70-74 | 0. | 0. | 143. | 0. | 0. | 119. | 0. | 0. | 0. | 616. |
| 75-79 | 0. | 0. | 0. | 180. | 0. | 333. | 0. | 0. | 0. | 694. |
| 80-84 | 0. | 0. | 0. | 204. | 0. | 0. | 0. | 0. | 0. | 578. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 479. |
| TOTAL | 2610. | 2559. | 1808. | 1111. | 871. | 1075. | 191. | 58. | 291. | 163223. |

NUMBER OF OTHERS
PRIMARY INDIVIDUAL HOUSEHOLDS, MALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1035. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 36128. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 28566. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 36196. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 19210. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 37163. | 28566. | 36196. | 19210. | 0. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1035. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36128. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28566. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36196. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19210. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 7969. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7969. |
| 50-54 | 0. | 27365. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27365. |
| 55-59 | 0. | 0. | 5685. | 0. | 0. | 0. | 0. | 0. | 0. | 5685. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 31. | 0. | 0. | 31. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 7969. | 27365. | 5685. | 0. | 0. | 0. | 31. | 0. | 0. | 154169. |

NUMBER OF OTHERS
PRIMARY INDIVIDUAL HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

NUMBER OF OTHERS
PRIMARY INDIVIDUAL HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

NUMBER OF OTHERS
PRIMARY INDIVIDUAL HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1590. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 32966. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 27388. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 4755. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 27822. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11026. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 34555. | 27388. | 4755. | 27822. | 11026. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1590. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32966. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27388. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4755. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27822. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11026. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 322. | 0. | 0. | 0. | 0. | 0. | 0. | 322. |
| 60-64 | 0. | 0. | 0. | 2618. | 0. | 0. | 0. | 0. | 0. | 2618. |
| 65-69 | 0. | 0. | 0. | 0. | 2690. | 0. | 0. | 0. | 0. | 2690. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 2910. | 0. | 0. | 0. | 2910. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 1209. | 0. | 0. | 1209. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 817. | 0. | 0. | 817. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 891. | 891. |
| TOTAL | 0. | 0. | 322. | 2618. | 2690. | 2910. | 2027. | 0. | 891. | 117004. |

TOTAL NUMBER OF MEMBERS
INTACT HOUSEHOLDS
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 5283. | 255854. | 1013635. | 629309. | 94391. | 4448. |
| 5- 9 | 0. | 0. | 0. | 79. | 12868. | 301542. | 995080. | 530015. | 140514. |
| 10-14 | 0. | 0. | 0. | 279. | 2792. | 15492. | 301567. | 752199. | 429154. |
| 15-19 | 0. | 0. | 0. | 2206. | 30730. | 67434. | 67066. | 237974. | 522072. |
| 20-24 | 0. | 0. | 0. | 11982. | 106045. | 85216. | 61382. | 34846. | 104344. |
| 25-29 | 0. | 0. | 0. | 11452. | 411558. | 562231. | 96955. | 45984. | 30472. |
| 30-34 | 0. | 0. | 0. | 2166. | 157341. | 883817. | 527879. | 36936. | 15058. |
| 35-39 | 0. | 0. | 0. | 127. | 13308. | 217129. | 784165. | 386771. | 19046. |
| 40-44 | 0. | 0. | 0. | 52. | 1306. | 22528. | 231739. | 602844. | 331438. |
| 45-49 | 0. | 0. | 0. | 204. | 1342. | 8906. | 32816. | 184616. | 487313. |
| 50-54 | 0. | 0. | 0. | 258. | 3556. | 10117. | 16262. | 31599. | 163887. |
| 55-59 | 0. | 0. | 0. | 173. | 3378. | 13716. | 8829. | 12786. | 35465. |
| 60-64 | 0. | 0. | 0. | 32. | 1778. | 6706. | 6757. | 5416. | 8620. |
| 65-69 | 0. | 0. | 0. | 177. | 3920. | 12495. | 14134. | 13932. | 11576. |
| 70-74 | 0. | 0. | 0. | 59. | 2574. | 7749. | 11848. | 11587. | 11360. |
| 75-79 | 0. | 0. | 0. | 49. | 1125. | 3981. | 5384. | 6864. | 8592. |
| 80-84 | 0. | 0. | 0. | 0. | 354. | 1701. | 2630. | 2958. | 4276. |
| 85+ | 0. | 0. | 0. | 0. | 187. | 299. | 1128. | 857. | 1110. |
| TOTAL | 0. | 0. | 0. | 34635. | 1010015. | 3236804. | 3796879. | 2971765. | 2328939. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 16463. | 50358. | 44240. | 24797. | 10400. | 3130. | 605. | 316. | 0. | 2153221. |
| 5- 9 | 5727. | 15564. | 27107. | 21503. | 10391. | 3852. | 545. | 286. | 0. | 2065048. |
| 10-14 | 170029. | 58994. | 22364. | 17842. | 11511. | 3792. | 903. | 195. | 0. | 1787108. |
| 15-19 | 448364. | 203788. | 77391. | 17958. | 6078. | 2454. | 1080. | 217. | 0. | 1684867. |
| 20-24 | 289612. | 243026. | 106565. | 39580. | 8132. | 1822. | 969. | 285. | 23. | 1093808. |
| 25-29 | 97020. | 213591. | 128680. | 57360. | 18696. | 2888. | 692. | 327. | 79. | 1678184. |
| 30-34 | 14917. | 53604. | 62796. | 30243. | 13599. | 3928. | 783. | 355. | 0. | 1802897. |
| 35-39 | 1480. | 8161. | 17917. | 12183. | 5055. | 2249. | 382. | 84. | 0. | 1455652. |
| 40-44 | 21794. | 637. | 410. | 785. | 730. | 213. | 96. | 4. | 4. | 1214374. |
| 45-49 | 289293. | 18880. | 3490. | 2649. | 7109. | 3233. | 1664. | 0. | 0. | 1021513. |
| 50-54 | 405637. | 228206. | 16314. | 4537. | 3679. | 6234. | 1208. | 278. | 0. | 891771. |
| 55-59 | 159094. | 292398. | 153314. | 13665. | 1175. | 413. | 1602. | 579. | 0. | 696587. |
| 60-64 | 35688. | 116397. | 168871. | 89977. | 11180. | 597. | 117. | 337. | 63. | 452537. |
| 65-69 | 12600. | 33997. | 78743. | 89717. | 53033. | 6737. | 272. | 0. | 0. | 331332. |
| 70-74 | 9889. | 11692. | 19587. | 37066. | 41357. | 21968. | 2909. | 64. | 0. | 180709. |
| 75-79 | 7411. | 4954. | 5526. | 7997. | 13464. | 11310. | 6480. | 672. | 60. | 82988. |
| 80-84 | 3559. | 3094. | 2565. | 2401. | 2253. | 3872. | 2577. | 1857. | 84. | 34162. |
| 85+ | 1863. | 1778. | 920. | 883. | 618. | 697. | 741. | 765. | 131. | 11974. |
| TOTAL | 1990037. | 1551914. | 931299. | 471140. | 218458. | 79390. | 23605. | 6621. | 425. | 18647712. |

TOTAL NUMBER OF MEMBERS
INTACT HOUSEHOLDS
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 4757. | 245667. | 966105. | 567180. | 84061. | 4118. |
| 5- 9 | 0. | 0. | 0. | 83. | 12175. | 283961. | 941832. | 482292. | 129044. |
| 10-14 | 0. | 0. | 0. | 332. | 2601. | 15917. | 277127. | 695377. | 396283. |
| 15-19 | 0. | 0. | 0. | 25159. | 22133. | 56493. | 60735. | 211402. | 466340. |
| 20-24 | 0. | 0. | 0. | 312. | 655015. | 46504. | 40791. | 26045. | 88239. |
| 25-29 | 0. | 0. | 0. | 19. | 1420. | 1599603. | 6437. | 4103. | 3305. |
| 30-34 | 0. | 0. | 0. | 0. | 3454. | 11504. | 1575578. | 17324. | 9651. |
| 35-39 | 0. | 0. | 0. | 0. | 1856. | 3228. | 9954. | 1206397. | 4784. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 3. | 1. | 0. | 1026274. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 832. | 20360. | 42818. | 14558. | 1015. | 192. |
| 55-59 | 0. | 0. | 0. | 558. | 20968. | 65944. | 56835. | 17788. | 1266. |
| 60-64 | 0. | 0. | 0. | 449. | 15235. | 58215. | 75624. | 54116. | 22648. |
| 65-69 | 0. | 0. | 0. | 358. | 10545. | 40007. | 60071. | 69408. | 53711. |
| 70-74 | 0. | 0. | 0. | 123. | 4004. | 17957. | 43776. | 46609. | 51766. |
| 75-79 | 0. | 0. | 0. | 98. | 1637. | 7398. | 15876. | 20220. | 28699. |
| 80-84 | 0. | 0. | 0. | 49. | 1245. | 4203. | 8186. | 8650. | 13402. |
| 85+ | 0. | 0. | 0. | 43. | 854. | 2879. | 4366. | 2990. | 4212. |
| TOTAL | 0. | 0. | 0. | 32972. | 1019168. | 3222330. | 3752921. | 2963392. | 2309911. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 14493. | 42256. | 35999. | 22784. | 9461. | 2883. | 320. | 117. | 0. | 1999959. |
| 5- 9 | 50?5?. | 13281. | 21531. | 18029. | 8389. | 3403. | 502. | 79. | 0. | 1919645. |
| 10-14 | 152282. | 55032. | 23423. | 18599. | 9929. | 3642. | 827. | 106. | 6. | 1656676. |
| 15-19 | 399853. | 187958. | 74375. | 39205. | 14683. | 2149. | 835. | 681. | 8. | 1532007. |
| 20-24 | 277989. | 265664. | 112149. | 44218. | 9263. | 1833. | 595. | 339. | 0. | 1560795. |
| 25-29 | 29518. | 108995. | 77357. | 37789. | 14594. | 2959. | 784. | 268. | 0. | 1887151. |
| 30-34 | 8847. | 21655. | 35849. | 23612. | 10488. | 4280. | 919. | 317. | 0. | 1723069. |
| 35-39 | 3729. | 2103. | 9820. | 15792. | 10278. | 4077. | 1005. | 264. | 0. | 1269706. |
| 40-44 | 3. | 2. | 31. | 259. | 505. | 240. | 83. | 4. | 4. | 1027408. |
| 45-49 | 894200. | 1. | 1. | 3. | 20. | 27. | 12. | 3. | 0. | 894267. |
| 50-54 | 217. | 675762. | 53. | 144. | 240. | 1140. | 1357. | 448. | 0. | 798917. |
| 55-59 | 117. | 181. | 435961. | 106. | 17. | 64. | 761. | 486. | 0. | 600649. |
| 60-64 | 2534. | 732. | 870. | 240172. | 162. | 51. | 0. | 70. | 70. | 470947. |
| 65-69 | 23296. | 2642. | 244. | 206. | 122706. | 127. | 0. | 144. | 0. | 379459. |
| 70-74 | 40512. | 15409. | 1797. | 181. | 128. | 45503. | 0. | 0. | 0. | 269765. |
| 75-79 | 36481. | 26131. | 9035. | 1043. | 151. | 64. | 13176. | 0. | 0. | 160011. |
| 80-84 | 17758. | 20979. | 11741. | 3706. | 638. | 272. | 0. | 3358. | 0. | 92183. |
| 85+ | 6570. | 8116. | 6813. | 3050. | 1578. | 372. | 69. | 0. | 295. | 41728. |
| TOTAL | 1918452. | 1446676. | 857049. | 448873. | 203226. | 72867. | 20841. | 8677. | 342. | 18251616. |

TOTAL NUMBER OF MEMBERS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 42. | 5371. | 27383. | 27460. | 6246. | 331. |
| 5- 9 | 0. | 0. | 0. | 38. | 266. | 14127. | 59167. | 38763. | 12550. |
| 10-14 | 0. | 0. | 0. | 1368. | 1573. | 1197. | 21400. | 65396. | 43709. |
| 15-19 | 0. | 0. | 0. | 6093. | 21855. | 5346. | 5428. | 25845. | 60566. |
| 20-24 | 0. | 0. | 0. | 160. | 4719. | 5574. | 3118. | 2559. | 15315. |
| 25-29 | 0. | 0. | 0. | 84. | 1238. | 3365. | 4543. | 4909. | 3818. |
| 30-34 | 0. | 0. | 0. | 0. | 111. | 1331. | 1810. | 2362. | 2951. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 580. | 804. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2226. | 4277. |
| 55-59 | 0. | 0. | 0. | 71. | 463. | 259. | 80. | 55. | 872. |
| 60-64 | 0. | 0. | 0. | 0. | 41. | 134. | 105. | 103. | 25. |
| 65-69 | 0. | 0. | 0. | 0. | 58. | 81. | 503. | 138. | 285. |
| 70-74 | 0. | 0. | 0. | 46. | 0. | 141. | 85. | 162. | 316. |
| 75-79 | 0. | 0. | 0. | 0. | 55. | 0. | 247. | 127. | 344. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 72. | 79. | 124. | 208. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 106. |
| TOTAL | 0. | 0. | 0. | 7880. | 35750. | 59011. | 124022. | 149594. | 146480. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 2817. | 9424. | 10426. | 7484. | 4604. | 1377. | 381. | 208. | 187. | 103741. |
| 5- 9 | 881. | 3840. | 8731. | 6866. | 6054. | 2092. | 914. | 213. | 0. | 154501. |
| 10-14 | 25320. | 13020. | 8706. | 8267. | 7405. | 3331. | 1160. | 288. | 56. | 202174. |
| 15-19 | 74852. | 58954. | 29410. | 9857. | 5335. | 3179. | 1824. | 854. | 123. | 309523. |
| 20-24 | 54537. | 73286. | 43171. | 20278. | 5173. | 1877. | 1422. | 1024. | 82. | 232496. |
| 25-29 | 17486. | 42668. | 53852. | 30879. | 12876. | 2500. | 1745. | 840. | 140. | 200894. |
| 30-34 | 2570. | 13060. | 19331. | 13586. | 5867. | 2061. | 663. | 406. | 158. | 66264. |
| 35-39 | 90. | 318. | 3174. | 2773. | 2303. | 850. | 268. | 130. | 0. | 9872. |
| 40-44 | 0. | 7. | 8. | 157. | 147. | 113. | 23. | 13. | 0. | 473. |
| 45-49 | 2331. | 2027. | 387. | 1003. | 2064. | 1961. | 972. | 196. | 76. | 12398. |
| 50-54 | 6263. | 3936. | 9359. | 1451. | 1870. | 402. | 1043. | 213. | 165. | 31405. |
| 55-59 | 919. | 1639. | 808. | 90. | 789. | 852. | 676. | 290. | 301. | 8119. |
| 60-64 | 28. | 0. | 31. | 0. | 0. | 0. | 59. | 140. | 0. | 866. |
| 65-69 | 48. | 57. | 0. | 0. | 0. | 0. | 0. | 67. | 145. | 1383. |
| 70-74 | 262. | 221. | 47. | 0. | 0. | 0. | 0. | 0. | 0. | 1280. |
| 75-79 | 415. | 259. | 58. | 0. | 0. | 0. | 0. | 0. | 0. | 1505. |
| 80-84 | 123. | 290. | 112. | 61. | 0. | 0. | 0. | 0. | 0. | 1069. |
| 85+ | 248. | 189. | 61. | 0. | 0. | 0. | 0. | 0. | 0. | 604. |
| TOTAL | 189155. | 248196. | 187673. | 102710. | 54637. | 20795. | 11147. | 4881. | 1434. | 1338362. |

TOTAL NUMBER OF MEMBERS
SINGLE HEADED HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 4185. | 29340. | 22935. | 5321. | 389. |
| 5- 9 | 0. | 0. | 0. | 35. | 451. | 12042. | 49109. | 34572. | 12019. |
| 10-14 | 0. | 0. | 0. | 1214. | 1141. | 988. | 18959. | 61950. | 40718. |
| 15-19 | 0. | 0. | 0. | 28530. | 26877. | 6689. | 4653. | 24556. | 56278. |
| 20-24 | 0. | 0. | 0. | 456. | 74453. | 8648. | 4914. | 3447. | 13139. |
| 25-29 | 0. | 0. | 0. | 0. | 288. | 65828. | 636. | 749. | 749. |
| 30-34 | 0. | 0. | 0. | 240. | 914. | 1360. | 99311. | 4185. | 3351. |
| 35-39 | 0. | 0. | 0. | 0. | 144. | 388. | 666. | 118401. | 1054. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 120219. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 1102. | 1305. | 714. | 15. | 0. |
| 55-59 | 0. | 0. | 0. | 139. | 586. | 1159. | 2492. | 1208. | 79. |
| 60-64 | 0. | 0. | 0. | 255. | 481. | 1491. | 3749. | 3509. | 1737. |
| 65-69 | 0. | 0. | 0. | 149. | 132. | 1363. | 2786. | 3750. | 4661. |
| 70-74 | 0. | 0. | 0. | 0. | 160. | 205. | 1242. | 2954. | 4029. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 616. | 1250. | 844. | 1990. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 192. | 282. | 1365. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 245. | 423. |
| TOTAL | 0. | 0. | 0. | 31016. | 110913. | 131471. | 213608. | 265989. | 270200. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 2958. | 8866. | 9745. | 5972. | 3686. | 1234. | 321. | 335. | 37. | 94823. |
| 5- 9 | 716. | 2411. | 6625. | 6090. | 4120. | 1869. | 560. | 240. | 10. | 130869. |
| 10-14 | 23812. | 16236. | 7555. | 6790. | 5824. | 2627. | 1008. | 280. | 36. | 187139. |
| 15-19 | 69111. | 48260. | 26389. | 8173. | 3706. | 2084. | 1818. | 776. | 219. | 308117. |
| 20-24 | 50717. | 69699. | 44601. | 18845. | 6107. | 1780. | 1846. | 601. | 173. | 299275. |
| 25-29 | 5481. | 29285. | 25532. | 14993. | 6732. | 1834. | 372. | 511. | 207. | 153197. |
| 30-34 | 4006. | 8414. | 12489. | 9051. | 6191. | 2968. | 1060. | 245. | 72. | 153857. |
| 35-39 | 1453. | 1575. | 2528. | 3977. | 3959. | 1750. | 1197. | 111. | 0. | 137203. |
| 40-44 | 0. | 2. | 8. | 109. | 204. | 161. | 86. | 20. | 7. | 120814. |
| 45-49 | 161937. | 1. | 0. | 1. | 5. | 14. | 11. | 5. | 2. | 161976. |
| 50-54 | 0. | 186095. | 0. | 51. | 488. | 1136. | 1783. | 921. | 313. | 193923. |
| 55-59 | 32. | 30. | 151055. | 29. | 0. | 63. | 967. | 922. | 411. | 159178. |
| 60-64 | 149. | 272. | 51. | 92904. | 62. | 94. | 270. | 279. | 0. | 105302. |
| 65-69 | 2265. | 767. | 415. | 428. | 57626. | 73. | 65. | 70. | 68. | 74620. |
| 70-74 | 4513. | 2412. | 333. | 678. | 0. | 30399. | 62. | 0. | 121. | 47107. |
| 75-79 | 4270. | 3728. | 1838. | 482. | 0. | 0. | 13671. | 169. | 0. | 28658. |
| 80-84 | 1832. | 2519. | 2521. | 978. | 249. | 0. | 0. | 5808. | 0. | 15746. |
| 85+ | 564. | 1712. | 2385. | 972. | 475. | 62. | 0. | 249. | 1629. | 8717. |
| TOTAL | 333315. | 380090. | 294071. | 170517. | 99432. | 48149. | 24898. | [illegible] | 3307. | 2388515. |

TOTAL NUMBER OF MEMBERS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
- MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 50. | 1757. | 3968. | 1445. | 113. |
| 5- 9 | 0. | 0. | 0. | 0. | 126. | 422. | 3811. | 6793. | 3119. |
| 10-14 | 0. | 0. | 0. | 1178. | 2669. | 1796. | 1307. | 4458. | 7926. |
| 15-19 | 0. | 0. | 0. | 37787. | 26053. | 26184. | 4966. | 1608. | 5473. |
| 20-24 | 0. | 0. | 0. | 960. | 90350. | 30268. | 6876. | 1885. | 1433. |
| 25-29 | 0. | 0. | 0. | 146. | 1765. | 127191. | 12405. | 3201. | 1625. |
| 30-34 | 0. | 0. | 0. | 228. | 974. | 1932. | 63629. | 1896. | 2342. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23352. | 36. |
| 40-44 | 0. | 0. | 0. | 1. | 0. | 3. | 0. | 0. | 25726. |
| 45-49 | 0. | 0. | 0. | 149. | 333. | 0. | 0. | 0. | 228. |
| 50-54 | 0. | 0. | 0. | 1945. | 287. | 203. | 243. | 1119. | 0. |
| 55-59 | 0. | 0. | 0. | 294. | 293. | 1120. | 81. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 35. | 201. | 984. | 380. | 113. | 52. |
| 65-69 | 0. | 0. | 0. | 118. | 493. | 660. | 416. | 352. | 280. |
| 70-74 | 0. | 0. | 0. | 0. | 572. | 536. | 136. | 62. | 295. |
| 75-79 | 0. | 0. | 0. | 98. | 104. | 223. | 71. | 235. | 0. |
| 80-84 | 0. | 0. | 0. | 43. | 215. | 0. | 72. | 63. | 0. |
| 85+ | 0. | 0. | 0. | 91. | 180. | 74. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 43051. | 124718. | 193383. | 78342. | 46579. | 48409. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 268. | 1464. | 3542. | 4195. | 3904. | 1884. | 727. | 274. | 182. | 23744. |
| 5- 9 | 192. | 438. | 1752. | 3252. | 3212. | 3177. | 783. | 557. | 17. | 27654. |
| 10-14 | 8265. | 3319. | 3308. | 2088. | 2908. | 2987. | 1117. | 677. | 71. | 41969. |
| 15-19 | 13292. | 10357. | 7313. | 3842. | 2547. | 1721. | 914. | 628. | 384. | 143048. |
| 20-24 | 5630. | 10452. | 8425. | 5053. | 3973. | 1898. | 986. | 597. | 527. | 169288. |
| 25-29 | 1989. | 8216. | 9592. | 7398. | 5419. | 2342. | 1400. | 656. | 346. | 183490. |
| 30-34 | 310. | 2277. | 5756. | 8140. | 6140. | 1866. | 1036. | 506. | 209. | 72286. |
| 35-39 | 44. | 16. | 540. | 1884. | 1745. | 1522. | 413. | 220. | 43. | 29815. |
| 40-44 | 0. | 0. | 0. | 79. | 207. | 187. | 89. | 28. | 4. | 26325. |
| 45-49 | 30709. | 786. | 327. | 383. | 1321. | 2931. | 1286. | 589. | 312. | 39409. |
| 50-54 | 2505. | 36533. | 0. | 3981. | 206. | 2309. | 1377. | 887. | 317. | 51909. |
| 55-59 | 0. | 0. | 32835. | 0. | 0. | 0. | 502. | 632. | 199. | 35956. |
| 60-64 | 27. | 0. | 0. | 25655. | 0. | 0. | 180. | 195. | 181. | 28064. |
| 65-69 | 0. | 0. | 0. | 0. | 23925. | 0. | 1. | 0. | 137. | 26382. |
| 70-74 | 462. | 0. | 48. | 0. | 0. | 17128. | 0. | 0. | 0. | 19197. |
| 75-79 | 166. | 214. | 48. | 0. | 0. | 0. | 7799. | 0. | 0. | 8058. |
| 80-84 | 1. | 0. | 59. | 112. | 16. | 0. | 0. | 5378. | 0. | 5959. |
| 85+ | 59. | 68. | 127. | 0. | 0. | 0. | 0. | 0. | 2300. | 2899. |
| TOTAL | 61957. | 76139. | 73670. | 63105. | 53521. | 39842. | 18609. | 11829. | 5230. | 936348. |

TOTAL NUMBER OF MEMBERS
SINGLE HEADED HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 95. | 1162. | 3291. | 1490. | 73. |
| 5- 9 | 0. | 0. | 0. | 35. | 0. | 242. | 3458. | 6054. | 3064. |
| 10-14 | 0. | 0. | 0. | 1345. | 2299. | 1617. | 1057. | 4419. | 6935. |
| 15-19 | 0. | 0. | 0. | 6658. | 23278. | 27419. | 4795. | 1744. | 5636. |
| 20-24 | 0. | 0. | 0. | 3312. | 8515. | 23720. | 5632. | 1520. | 1132. |
| 25-29 | 0. | 0. | 0. | 168. | 946. | 1829. | 1989. | 941. | 279. |
| 30-34 | 0. | 0. | 0. | 291. | 1387. | 6352. | 2930. | 2550. | 1908. |
| 35-39 | 0. | 0. | 0. | 516. | 322. | 998. | 1419. | 327. | 526. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 1607. | 10996. | 18356. | 4915. | 142. | 131. |
| 55-59 | 0. | 0. | 0. | 1368. | 9301. | 21088. | 8984. | 2894. | 188. |
| 60-64 | 0. | 0. | 0. | 1108. | 5335. | 12579. | 6402. | 4328. | 2858. |
| 65-69 | 0. | 0. | 0. | 947. | 2466. | 7402. | 5483. | 2915. | 3728. |
| 70-74 | 0. | 0. | 0. | 0. | 1100. | 2061. | 2669. | 2268. | 2199. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 1199. | 624. | 763. | 955. |
| 80-84 | 0. | 0. | 0. | 0. | 180. | 0. | 325. | 435. | 465. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 277. | 0. | 53. | 258. |
| TOTAL | 0. | 0. | 0. | 17357. | 66219. | 128302. | 53734. | 32439. | 30334. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 344. | 1640. | 3687. | 3095. | 3097. | 1736. | 993. | 339. | 83. | 21126. |
| 5- 9 | 150. | 270. | 1532. | 2018. | 3166. | 2050. | 904. | 330. | 28. | 22899. |
| 10-14 | 5006. | 3215. | 2450. | 2230. | 2576. | 2502. | 981. | 644. | 122. | 37394. |
| 15-19 | 11535. | 9912. | 7686. | 3407. | 2839. | 1392. | 742. | 542. | 109. | 107654. |
| 20-24 | 5168. | 13273. | 9796. | 6618. | 3948. | 1891. | 860. | 516. | 249. | 86152. |
| 25-29 | 945. | 3619. | 6448. | 5248. | 4333. | 2474. | 1300. | 368. | 414. | 30502. |
| 30-34 | 574. | 1386. | 2398. | 3881. | 4657. | 2543. | 528. | 482. | 0. | 31868. |
| 35-39 | 744. | 535. | 657. | 1562. | 3132. | 2938. | 1450. | 556. | 257. | 15939. |
| 40-44 | 10. | 0. | 1. | 50. | 128. | 181. | 115. | 43. | 15. | 544. |
| 45-49 | 0. | 1. | 0. | 0. | 8. | 13. | 11. | 6. | 4. | 44. |
| 50-54 | 0. | 0. | 0. | 44. | 96. | 449. | 1549. | 1084. | 287. | 39657. |
| 55-59 | 0. | 13. | 63. | 15. | 48. | 99. | 682. | 458. | 644. | 45846. |
| 60-64 | 329. | 0. | 158. | 97. | 0. | 189. | 0. | 279. | 131. | 33772. |
| 65-69 | 3004. | 586. | 79. | 77. | 0. | 0. | 0. | 64. | 0. | 26751. |
| 70-74 | 4555. | 2249. | 376. | 0. | 0. | 119. | 58. | 58. | 0. | 15510. |
| 75-79 | 1270. | 2273. | 1525. | 209. | 0. | 333. | 0. | 0. | 0. | 9153. |
| 80-84 | 434. | 698. | 979. | 1098. | 279. | 0. | 0. | 0. | 0. | 4894. |
| 85+ | 232. | 158. | 451. | 289. | 788. | 215. | 0. | 0. | 0. | 2720. |
| TOTAL | 34900. | 39830. | 38288. | 29939. | 29096. | 19104. | 9773. | 5769. | 2344. | 532425. |

TOTAL NUMBER OF MEMBERS
PRIMARY INDIVIDUAL HOUSEHOLDS, MALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1035. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 56588. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 47381. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 49555. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 16849. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1519. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 951. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 57622. | 47381. | 49555. | 16849. | 1519. | 951. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1035. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56588. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47381. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49555. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16849. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1519. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 951. |
| 45-49 | 8906. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8906. |
| 50-54 | 0. | 28163. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28163. |
| 55-59 | 0. | 0. | 5145. | 0. | 0. | 0. | 0. | 0. | 0. | 5145. |
| 60-64 | 0. | 0. | 0. | 351. | 0. | 0. | 0. | 0. | 0. | 351. |
| 65-69 | 0. | 0. | 0. | 0. | 395. | 0. | 0. | 0. | 0. | 395. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 236. | 0. | 0. | 0. | 236. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 94. | 0. | 0. | 94. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 37. | 37. | 0. | 75. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 8906. | 28163. | 5145. | 351. | 395. | 236. | 131. | 37. | 0. | 217240. |

1990 BUREA

TOTAL NUMBER OF MEMBERS
PRIMARY INDIVIDUAL HOUSEHOLDS, MALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

TOTAL NUMBER OF MEMBERS
PRIMARY INDIVIDUAL HOUSEHOLDS, FEMALE HEADS
MALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

TOTAL NUMBER OF MEMBERS
PRIMARY INDIVIDUAL HOUSEHOLDS, FEMALE HEADS
FEMALE MEMBERS

| AGE GROUP | - AGE OF HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 1590. | 0. | 0. | 0. | 0. | 0. |
| 15-19 | 0. | 0. | 0. | 54348. | 0. | 0. | 0. | 0. | 0. |
| 20-24 | 0. | 0. | 0. | 0. | 51594. | 0. | 0. | 0. | 0. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 12329. | 0. | 0. | 0. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 31482. | 0. | 0. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13209. | 0. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1513. |
| 45-49 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 55-59 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 60-64 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 65-69 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| TOTAL | 0. | 0. | 0. | 55938. | 51594. | 12329. | 31482. | 13209. | 1513. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 5- 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10-14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1590. |
| 15-19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54348. |
| 20-24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51594. |
| 25-29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12329. |
| 30-34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31482. |
| 35-39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13209. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1513. |
| 45-49 | 1544. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1544. |
| 50-54 | 0. | 1744. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1744. |
| 55-59 | 0. | 0. | 2591. | 0. | 0. | 0. | 0. | 0. | 0. | 2591. |
| 60-64 | 0. | 0. | 0. | 4511. | 0. | 0. | 0. | 0. | 0. | 4511. |
| 65-69 | 0. | 0. | 0. | 0. | 4160. | 0. | 0. | 0. | 0. | 4160. |
| 70-74 | 0. | 0. | 0. | 0. | 0. | 3757. | 0. | 0. | 0. | 3757. |
| 75-79 | 0. | 0. | 0. | 0. | 0. | 0. | 1469. | 0. | 0. | 1469. |
| 80-84 | 0. | 0. | 0. | 0. | 0. | 0. | 817. | 137. | 0. | 954. |
| 85+ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1022. | 1022. |
| TOTAL | 1544. | 1744. | 2591. | 4511. | 4160. | 3757. | 2286. | 137. | 1022. | 107816. |

1990 KOREA

TOTAL NUMBER OF MEMBERS
ALL HOUSEHOLDS COMBINED
MALE MEMBERS

| AGE GROUP | - AGE OF WIFE OR HEAD - | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
| 0- 4 | 0. | 0. | 0. | 5325. | 261275. | 1042774. | 660738. | 107082. | 4891. |
| 5- 9 | 0. | 0. | 0. | 116. | 13261. | 316091. | 1058040. | 575570. | 156183. |
| 10-14 | 0. | 0. | 0. | 3840. | 7029. | 18484. | 324274. | 822053. | 480789. |
| 15-19 | 0. | 0. | 0. | 123661. | 78638. | 98964. | 77438. | 269627. | 988110. |
| 20-24 | 0. | 0. | 0. | 13082. | 284427. | 121058. | 71396. | 39290. | 121091. |
| 25-29 | 0. | 0. | 0. | 11682. | 414561. | 794951. | 113903. | 54095. | 35915. |
| 30-34 | 0. | 0. | 0. | 2392. | 158426. | 887080. | 608510. | 61194. | 20351. |
| 35-39 | 0. | 0. | 0. | 127. | 13308. | 217129. | 784165. | 421168. | 19082. |
| 40-44 | 0. | 0. | 0. | 53. | 1306. | 22531. | 231739. | 602844. | 366030. |
| 45-49 | 0. | 0. | 0. | 348. | 1675. | 8906. | 32816. | 165197. | 488344. |
| 50-54 | 0. | 0. | 0. | 2204. | 3843. | 10320. | 16504. | 34919. | 168163. |
| 55-59 | 0. | 0. | 0. | 538. | 4133. | 15095. | 8980. | 12840. | 36337. |
| 60-64 | 0. | 0. | 0. | 67. | 2079. | 7823. | 7241. | 5633. | 8697. |
| 65-69 | 0. | 0. | 0. | 295. | 4471. | 13236. | 15053. | 14422. | 12141. |
| 70-74 | 0. | 0. | 0. | 105. | 3146. | 8427. | 12069. | 11811. | 11931. |
| 75-79 | 0. | 0. | 0. | 147. | 1284. | 4126. | 5702. | 6427. | 8936. |
| 80-84 | 0. | 0. | 0. | 43. | 569. | 1774. | 2781. | 3145. | 4484. |
| 85+ | 0. | 0. | 0. | 91. | 367. | 574. | 1128. | 857. | 1216. |
| TOTAL | 0. | 0. | 0. | 164115. | 1253795. | 3589131. | 4032434. | 3179180. | 2532685. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 19548. | 61246. | 58207. | 36476. | 18908. | 6382. | 1755. | 799. | 369. | 2280704. |
| 5- 9 | 6800. | 19841. | 37590. | 31621. | 19657. | 9121. | 2242. | 1056. | 17. | 2247202. |
| 10-14 | 201593. | 75332. | 34377. | 28197. | 21824. | 10880. | 3180. | 1160. | 128. | 2032285. |
| 15-19 | 536508. | 273099. | 114119. | 31657. | 13959. | 7354. | 3818. | 1699. | 507. | 2214951. |
| 20-24 | 349779. | 226764. | 158161. | 64911. | 17478. | 5995. | 3176. | 1906. | 632. | 1578903. |
| 25-29 | 116495. | 284675. | 192125. | 95636. | 36941. | 7731. | 3836. | 1823. | 565. | 2164730. |
| 30-34 | 17797. | 68962. | 87383. | 49009. | 23605. | 7856. | 2461. | 1268. | 367. | 1976635. |
| 35-39 | 1179. | 1495. | 18630. | 16841. | 9103. | 4072. | 1064. | 435. | 43. | 1506582. |
| 40-44 | 21794. | 444. | 418. | 1021. | 1083. | 516. | 207. | 45. | 8. | 1250030. |
| 45-49 | 340044. | 21692. | 4203. | 4035. | 10493. | 8129. | 3921. | 784. | 388. | 1090969. |
| 50-54 | 414405. | 307943. | 25673. | 9969. | 5755. | 9145. | 3628. | 1378. | 482. | 1014352. |
| 55-59 | 160013. | 296037. | 199411. | 13715. | 1964. | 1786. | 2777. | 1500. | 500. | 753116. |
| 60-64 | 35743. | 116397. | 168902. | 122780. | 11180. | 997. | 357. | 473. | 245. | 488421. |
| 65-69 | 12648. | 34053. | 78743. | 89717. | 81933. | 6737. | 276. | 67. | 282. | 364073. |
| 70-74 | 10612. | 11914. | 19679. | 37066. | 41357. | 42524. | 2909. | 64. | 0. | 213613. |
| 75-79 | 7992. | 5628. | 5632. | 7997. | 13464. | 11310. | 16604. | 672. | 60. | 95777. |
| 80-84 | 3683. | 3384. | 2735. | 2576. | 2269. | 3872. | 2614. | 8010. | 84. | 42002. |
| 85+ | 2169. | 2033. | 1108. | 883. | 618. | 897. | 741. | 769. | 2772. | 15818. |
| TOTAL | 2258798. | 1908515. | 1205093. | 644110. | 331592. | 143695. | 55724. | 24103. | 7430. | 21330112. |

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TOTAL NUMBER OF MEMBERS

1990 KOREA

TOTAL NUMBER OF MEMBERS
ALL HOUSEHOLDS COMBINED
FEMALE MEMBERS

| AGE GROUP | - AGE OF WIFE OR HEAD - 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 0. | 0. | 0. | 4757. | 249948. | 996607. | 593406. | 90871. | 4580. |
| 5- 9 | 0. | 0. | 0. | 153. | 12625. | 296245. | 994399. | 522917. | 144127. |
| 10-14 | 0. | 0. | 0. | 4481. | 6041. | 18522. | 297143. | 761742. | 443936. |
| 15-19 | 0. | 0. | 0. | 131792. | 72288. | 90601. | 70144. | 237702. | 528253. |
| 20-24 | 0. | 0. | 0. | 4079. | 836922. | 78922. | 51338. | 31012. | 102510. |
| 25-29 | 0. | 0. | 0. | 187. | 2655. | 1708242. | 9061. | 5394. | 4333. |
| 30-34 | 0. | 0. | 0. | 531. | 5755. | 19215. | 1729880. | 24060. | 14909. |
| 35-39 | 0. | 0. | 0. | 516. | 2328. | 4815. | 8040. | 1352749. | 6343. |
| 40-44 | 0. | 0. | 0. | 0. | 0. | 3. | 3. | 0. | 1168882. |
| 45-49 | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. |
| 50-54 | 0. | 0. | 0. | 2239. | 32458. | 62478. | 20185. | 1172. | 323. |
| 55-59 | 0. | 0. | 0. | 2065. | 30834. | 87791. | 68310. | 21889. | 1534. |
| 60-64 | 0. | 0. | 0. | 1813. | 21050. | 72285. | 85775. | 61953. | 27242. |
| 65-69 | 0. | 0. | 0. | 1454. | 13143. | 48767. | 68341. | 72071. | 62100. |
| 70-74 | 0. | 0. | 0. | 123. | 5263. | 20223. | 47486. | 51831. | 59994. |
| 75-79 | 0. | 0. | 0. | 98. | 1637. | 9213. | 17751. | 21828. | 31645. |
| 80-84 | 0. | 0. | 0. | 49. | 1423. | 4203. | 6702. | 9367. | 15232. |
| 85+ | 0. | 0. | 0. | 43. | 894. | 3156. | 4366. | 2849. | 4893. |
| TOTAL | 0. | 0. | 0. | 154381. | 1295237. | 3521884. | 4072525. | 3269403. | 2620834. |

| AGE GROUP | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0- 4 | 17295. | 52762. | 99631. | 31831. | 16744. | 9833. | 1634. | 790. | 120. | 2115903. |
| 5- 9 | 5021. | 15962. | 29888. | 28137. | 15679. | 7322. | 1966. | 645. | 38. | 2073413. |
| 10-14 | 186100. | 72484. | 33628. | 27614. | 18329. | 8770. | 3816. | 1031. | 184. | 1882596. |
| 15-19 | 488499. | 246130. | 108450. | 30785. | 11728. | 9670. | 3195. | 2000. | 336. | 2019218. |
| 20-24 | 333874. | 348236. | 166547. | 69681. | 19318. | 5504. | 3302. | 1436. | 423. | 2053118. |
| 25-29 | 35563. | 141900. | 109337. | 98030. | 25699. | 7267. | 2496. | 1146. | 621. | 2111831. |
| 30-34 | 13426. | 31494. | 50736. | 36545. | 21336. | 9792. | 2104. | 1044. | 72. | 1960855. |
| 35-39 | 5926. | 4213. | 13005. | 21330. | 17369. | 8764. | 3652. | 932. | 257. | 1650031. |
| 40-44 | 13. | 4. | 41. | 414. | 837. | 583. | 283. | 67. | 26. | 1171156. |
| 45-49 | 1074213. | 4. | 8. | 9. | 33. | 94. | 33. | 13. | 4. | 1074362. |
| 50-54 | 217. | 894487. | 53. | 239. | 824. | 2731. | 4689. | 2450. | 601. | 1025148. |
| 55-59 | 149. | 229. | 630128. | 150. | 65. | 226. | 2410. | 1866. | 1055. | 848721. |
| 60-64 | 3012. | 1003. | 1079. | 383358. | 224. | 314. | 270. | 628. | 201. | 660207. |
| 65-69 | 28566. | 3995. | 738. | 711. | 224879. | 199. | 65. | 279. | 68. | 525376. |
| 70-74 | 47579. | 20070. | 2507. | 859. | 128. | 105574. | 118. | 58. | 121. | 361936. |
| 75-79 | 42021. | 32133. | 12398. | 1736. | 151. | 397. | 41813. | 169. | 0. | 212988. |
| 80-84 | 20026. | 24196. | 15242. | 5782. | 1164. | 272. | 817. | 14437. | 0. | 119111. |
| 85+ | 7366. | 9986. | 9648. | 4311. | 2841. | 648. | 69. | 249. | 5730. | 57010. |
| TOTAL | 2801741. | 1899242. | 1232494. | 699515. | 376388. | 169673. | 71496. | 29460. | 9838. | 21722928. |

# APPENDIX A.

Appendix A. Headship rates, by household type and age of head: Six

| Household type and country (year) | 15–19 | 20–24 | 25–29 | 30–34 | 35–39 | 40–44 |
|---|---|---|---|---|---|---|
| Combined, males | | | | | | |
| Indonesia (1976) | 0.023 | 0.253 | 0.608 | 0.834 | 0.930 | 0.954 |
| Republic of Korea (1970) | 0.027 | 0.090 | 0.471 | 0.832 | 0.905 | 0.946 |
| Republic of Korea (1980) | 0.032 | 0.102 | 0.510 | 0.844 | 0.923 | 0.953 |
| Malaysia (1980) | 0.030 | 0.185 | 0.466 | 0.706 | 0.794 | 0.889 |
| Philippines (1975) | 0.020 | 0.229 | 0.573 | 0.783 | 0.875 | 0.915 |
| Taiwan (1980) | 0.016 | 0.083 | 0.593 | 0.858 | 0.938 | 0.956 |
| Thailand (1970) | 0.016 | 0.204 | 0.549 | 0.754 | 0.846 | 0.913 |
| Thailand (1980) | 0.019 | 0.201 | 0.529 | 0.740 | 0.844 | 0.902 |
| Combined, females | | | | | | |
| Indonesia (1976) | 0.005 | 0.013 | 0.027 | 0.057 | 0.095 | 0.152 |
| Republic of Korea (1970) | 0.008 | 0.021 | 0.027 | 0.046 | 0.085 | 0.127 |
| Republic of Korea (1980) | 0.027 | 0.063 | 0.048 | 0.063 | 0.092 | 0.124 |
| Malaysia (1980) | 0.014 | 0.046 | 0.051 | 0.072 | 0.099 | 0.129 |
| Philippines (1975) | 0.001 | 0.004 | 0.012 | 0.025 | 0.042 | 0.066 |
| Taiwan (1980) | 0.011 | 0.035 | 0.026 | 0.030 | 0.040 | 0.039 |
| Thailand (1970) | 0.004 | 0.016 | 0.029 | 0.044 | 0.071 | 0.111 |
| Thailand (1980) | 0.006 | 0.021 | 0.034 | 0.051 | 0.080 | 0.108 |
| Intact | | | | | | |
| Indonesia (1976) | 0.013 | 0.225 | 0.579 | 0.809 | 0.904 | 0.926 |
| Republic of Korea (1970) | 0.002 | 0.035 | 0.403 | 0.811 | 0.891 | 0.924 |
| Republic of Korea (1980) | 0.001 | 0.042 | 0.431 | 0.813 | 0.900 | 0.925 |
| Malaysia (1980) | 0.003 | 0.078 | 0.363 | 0.642 | 0.739 | 0.832 |
| Philippines (1975) | 0.014 | 0.209 | 0.543 | 0.750 | 0.835 | 0.862 |
| Taiwan (1980) | 0.001 | 0.034 | 0.485 | 0.805 | 0.898 | 0.906 |
| Thailand (1970) | 0.009 | 0.176 | 0.517 | 0.724 | 0.814 | 0.874 |
| Thailand (1980) | 0.011 | 0.170 | 0.493 | 0.707 | 0.809 | 0.861 |
| Single-headed, male | | | | | | |
| Indonesia (1976) | 0.007 | 0.019 | 0.019 | 0.017 | 0.019 | 0.022 |
| Republic of Korea (1970) | 0.025 | 0.055 | 0.067 | 0.021 | 0.012 | 0.021 |
| Republic of Korea (1980) | 0.013 | 0.036 | 0.050 | 0.021 | 0.015 | 0.021 |
| Malaysia (1980) | 0.011 | 0.053 | 0.050 | 0.036 | 0.027 | 0.034 |
| Philippines (1975) | 0.003 | 0.013 | 0.021 | 0.024 | 0.031 | 0.043 |
| Taiwan (1980) | 0.014 | 0.043 | 0.094 | 0.047 | 0.031 | 0.043 |
| Thailand (1970) | 0.003 | 0.013 | 0.017 | 0.018 | 0.022 | 0.027 |
| Thailand (1980) | 0.003 | 0.014 | 0.018 | 0.019 | 0.021 | 0.027 |
| Single-headed, female | | | | | | |
| Indonesia (1976) | 0.002 | 0.009 | 0.022 | 0.051 | 0.085 | 0.134 |
| Republic of Korea (1970) | 0.007 | 0.020 | 0.026 | 0.045 | 0.083 | 0.125 |
| Republic of Korea (1980) | 0.010 | 0.031 | 0.031 | 0.050 | 0.081 | 0.112 |
| Malaysia (1980) | 0.008 | 0.029 | 0.038 | 0.064 | 0.091 | 0.120 |
| Phlippines (1975) | 0.000 | 0.004 | 0.011 | 0.024 | 0.040 | 0.064 |
| Taiwan (1980) | 0.011 | 0.032 | 0.023 | 0.026 | 0.038 | 0.036 |
| Thailand (1970) | 0.003 | 0.011 | 0.024 | 0.040 | 0.065 | 0.105 |
| Thailand (1980) | 0.004 | 0.014 | 0.025 | 0.043 | 0.072 | 0.100 |

Asian countries, 1970–80

| Age | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 45–49 | 50–54 | 55–59 | 60–64 | 65–69 | 70–74 | 75–79 | 80–84 | 85+ |
| 0.963 | 0.964 | 0.946 | 0.909 | 0.891 | 0.841 | 0.794 | 0.725 | 0.626 |
| 0.964 | 0.966 | 0.950 | 0.873 | 0.775 | 0.604 | 0.503 | 0.358 | 0.307 |
| 0.963 | 0.970 | 0.958 | 0.920 | 0.829 | 0.704 | 0.563 | 0.459 | 0.385 |
| 0.861 | 0.926 | 0.881 | 0.884 | 0.806 | 0.801 | 0.678 | 0.589 | 0.504 |
| 0.934 | 0.938 | 0.931 | 0.908 | 0.870 | 0.796 | 0.730 | 0.655 | 0.525 |
| 0.951 | 0.902 | 0.805 | 0.603 | 0.468 | 0.334 | 0.285 | 0.160 | 0.159 |
| 0.939 | 0.945 | 0.940 | 0.894 | 0.853 | 0.769 | 0.659 | 0.545 | 0.465 |
| 0.935 | 0.948 | 0.950 | 0.912 | 0.876 | 0.790 | 0.702 | 0.598 | 0.524 |
| 0.199 | 0.243 | 0.288 | 0.322 | 0.321 | 0.333 | 0.337 | 0.319 | 0.220 |
| 0.149 | 0.147 | 0.121 | 0.102 | 0.080 | 0.053 | 0.034 | 0.034 | 0.023 |
| 0.169 | 0.211 | 0.228 | 0.211 | 0.188 | 0.155 | 0.126 | 0.092 | 0.078 |
| 0.178 | 0.229 | 0.270 | 0.307 | 0.299 | 0.306 | 0.257 | 0.265 | 0.239 |
| 0.094 | 0.129 | 0.154 | 0.187 | 0.201 | 0.222 | 0.232 | 0.213 | 0.166 |
| 0.038 | 0.032 | 0.042 | 0.030 | 0.035 | 0.037 | 0.041 | 0.000 | 0.000 |
| 0.167 | 0.223 | 0.267 | 0.289 | 0.296 | 0.304 | 0.288 | 0.237 | 0.185 |
| 0.152 | 0.210 | 0.260 | 0.301 | 0.340 | 0.330 | 0.317 | 0.305 | 0.254 |
| 0.927 | 0.922 | 0.900 | 0.850 | 0.792 | 0.738 | 0.695 | 0.604 | 0.485 |
| 0.932 | 0.925 | 0.896 | 0.805 | 0.695 | 0.523 | 0.408 | 0.239 | 0.216 |
| 0.926 | 0.924 | 0.904 | 0.853 | 0.750 | 0.608 | 0.459 | 0.315 | 0.220 |
| 0.790 | 0.836 | 0.774 | 0.755 | 0.664 | 0.633 | 0.511 | 0.424 | 0.389 |
| 0.867 | 0.853 | 0.832 | 0.786 | 0.742 | 0.657 | 0.577 | 0.475 | 0.373 |
| 0.880 | 0.806 | 0.681 | 0.500 | 0.368 | 0.256 | 0.216 | 0.160 | 0.053 |
| 0.887 | 0.874 | 0.847 | 0.784 | 0.721 | 0.601 | 0.490 | 0.323 | 0.301 |
| 0.878 | 0.877 | 0.850 | 0.784 | 0.738 | 0.621 | 0.510 | 0.424 | 0.363 |
| 0.031 | 0.034 | 0.035 | 0.046 | 0.068 | 0.073 | 0.071 | 0.077 | 0.129 |
| 0.031 | 0.039 | 0.052 | 0.067 | 0.077 | 0.079 | 0.094 | 0.119 | 0.080 |
| 0.027 | 0.034 | 0.043 | 0.052 | 0.065 | 0.080 | 0.081 | 0.126 | 0.144 |
| 0.041 | 0.057 | 0.063 | 0.078 | 0.088 | 0.104 | 0.100 | 0.100 | 0.054 |
| 0.056 | 0.069 | 0.079 | 0.096 | 0.095 | 0.099 | 0.112 | 0.123 | 0.116 |
| 0.050 | 0.049 | 0.052 | 0.054 | 0.035 | 0.039 | 0.006 | 0.000 | 0.000 |
| 0.039 | 0.057 | 0.077 | 0.092 | 0.107 | 0.137 | 0.137 | 0.185 | 0.134 |
| 0.042 | 0.056 | 0.080 | 0.102 | 0.109 | 0.140 | 0.161 | 0.136 | 0.116 |
| 0.166 | 0.183 | 0.207 | 0.211 | 0.190 | 0.184 | 0.145 | 0.136 | 0.088 |
| 0.148 | 0.146 | 0.120 | 0.101 | 0.080 | 0.053 | 0.034 | 0.032 | 0.023 |
| 0.152 | 0.180 | 0.177 | 0.139 | 0.109 | 0.082 | 0.062 | 0.046 | 0.027 |
| 0.163 | 0.206 | 0.227 | 0.237 | 0.203 | 0.193 | 0.146 | 0.122 | 0.109 |
| 0.091 | 0.120 | 0.139 | 0.159 | 0.161 | 0.169 | 0.170 | 0.151 | 0.116 |
| 0.034 | 0.025 | 0.025 | 0.017 | 0.005 | 0.010 | 0.023 | 0.000 | 0.000 |
| 0.157 | 0.209 | 0.240 | 0.250 | 0.248 | 0.248 | 0.218 | 0.170 | 0.113 |
| 0.142 | 0.193 | 0.234 | 0.268 | 0.283 | 0.263 | 0.254 | 0.233 | 0.199 |

Appendix A. (*continued*)

| Household type and country (year) | 15–19 | 20–24 | 25–29 | 30–34 | 35–39 | 40–44 |
|---|---|---|---|---|---|---|
| One-person, male | | | | | | |
| Indonesia (1976) | 0.002 | 0.006 | 0.008 | 0.008 | 0.007 | 0.006 |
| Republic of Korea (1970) | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Republic of Korea (1980) | 0.009 | 0.016 | 0.023 | 0.009 | 0.006 | 0.006 |
| Malaysia (1980) | 0.016 | 0.054 | 0.053 | 0.027 | 0.027 | 0.024 |
| Philippines (1975) | 0.002 | 0.005 | 0.007 | 0.007 | 0.008 | 0.009 |
| Taiwan (1980) | 0.000 | 0.005 | 0.014 | 0.007 | 0.009 | 0.007 |
| Thailand (1970) | 0.003 | 0.011 | 0.012 | 0.010 | 0.008 | 0.011 |
| Thailand (1980) | 0.003 | 0.011 | 0.012 | 0.011 | 0.011 | 0.011 |
| One-person, female | | | | | | |
| Indonesia (1976) | 0.002 | 0.003 | 0.004 | 0.006 | 0.010 | 0.018 |
| Republic of Korea (1970) | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 |
| Republic of Korea (1980) | 0.008 | 0.022 | 0.014 | 0.011 | 0.010 | 0.011 |
| Malaysia (1980) | 0.006 | 0.017 | 0.013 | 0.008 | 0.009 | 0.009 |
| Philippines (1975) | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.002 |
| Taiwan (1980) | 0.000 | 0.003 | 0.003 | 0.004 | 0.002 | 0.003 |
| Thailand (1970) | 0.001 | 0.003 | 0.004 | 0.003 | 0.005 | 0.005 |
| Thailand (1980) | 0.002 | 0.005 | 0.006 | 0.007 | 0.007 | 0.007 |
| Primary-individual, male | | | | | | |
| Indonesia (1976) | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.000 |
| Republic of Korea (1970) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Republic of Korea (1980) | 0.010 | 0.008 | 0.006 | 0.001 | 0.001 | 0.001 |
| Malaysia (1980) | — | — | — | — | — | — |
| Philippines (1975) | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.001 |
| Taiwan (1980) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Thailand (1970) | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 |
| Thailand (1980) | 0.001 | 0.005 | 0.006 | 0.003 | 0.003 | 0.002 |
| Primary-individual, female | | | | | | |
| Indonesia (1976) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 |
| Republic of Korea (1970) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Republic of Korea (1980) | 0.010 | 0.011 | 0.004 | 0.002 | 0.002 | 0.001 |
| Malaysia (1980) | — | — | — | — | — | — |
| Philippines (1975) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Taiwan (1980) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Thailand (1970) | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Thailand (1980) | 0.001 | 0.003 | 0.004 | 0.001 | 0.002 | 0.001 |

Note: Primary-individual households were not tabulated in the Malaysia census.

| Age | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 45–49 | 50–54 | 55–59 | 60–64 | 65–69 | 70–74 | 75–79 | 80–84 | 85+ |
| 0.004 | 0.009 | 0.012 | 0.013 | 0.032 | 0.029 | 0.028 | 0.043 | 0.012 |
| 0.002 | 0.001 | 0.002 | 0.001 | 0.003 | 0.002 | 0.002 | 0.000 | 0.011 |
| 0.008 | 0.011 | 0.010 | 0.014 | 0.013 | 0.015 | 0.023 | 0.017 | 0.021 |
| 0.031 | 0.033 | 0.044 | 0.051 | 0.054 | 0.064 | 0.068 | 0.065 | 0.060 |
| 0.010 | 0.013 | 0.018 | 0.024 | 0.031 | 0.036 | 0.036 | 0.052 | 0.032 |
| 0.021 | 0.047 | 0.073 | 0.048 | 0.066 | 0.036 | 0.063 | 0.000 | 0.105 |
| 0.012 | 0.013 | 0.015 | 0.017 | 0.024 | 0.030 | 0.032 | 0.036 | 0.029 |
| 0.012 | 0.013 | 0.017 | 0.025 | 0.028 | 0.026 | 0.031 | 0.031 | 0.045 |
| 0.033 | 0.059 | 0.080 | 0.108 | 0.130 | 0.148 | 0.192 | 0.183 | 0.130 |
| 0.001 | 0.001 | 0.001 | 0.001 | 0.000 | 0.001 | 0.001 | 0.002 | 0.000 |
| 0.016 | 0.030 | 0.048 | 0.069 | 0.076 | 0.070 | 0.063 | 0.044 | 0.049 |
| 0.015 | 0.023 | 0.043 | 0.070 | 0.096 | 0.113 | 0.112 | 0.143 | 0.130 |
| 0.003 | 0.008 | 0.014 | 0.025 | 0.037 | 0.049 | 0.054 | 0.059 | 0.047 |
| 0.004 | 0.007 | 0.016 | 0.014 | 0.030 | 0.027 | 0.018 | 0.000 | 0.000 |
| 0.009 | 0.013 | 0.026 | 0.038 | 0.047 | 0.053 | 0.066 | 0.067 | 0.072 |
| 0.010 | 0.016 | 0.024 | 0.031 | 0.053 | 0.063 | 0.061 | 0.070 | 0.055 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.000 |
| — | — | — | — | — | — | — | — | — |
| 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.004 |
| 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 |
| 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.000 | 0.001 | 0.001 |
| 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.003 | 0.000 | 0.007 | 0.000 |
| 0.000 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 0.001 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 | 0.001 | 0.001 | 0.002 |
| — | — | — | — | — | — | — | — | — |
| 0.000 | 0.001 | 0.002 | 0.002 | 0.003 | 0.004 | 0.008 | 0.003 | 0.002 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | 0.003 | 0.003 | 0.001 | 0.001 |
| 0.001 | 0.001 | 0.002 | 0.001 | 0.004 | 0.004 | 0.002 | 0.001 | 0.000 |

# APPENDIX B. SUMMARIES OF HOMES PROGRAMS

Program: HOMES.CNTL

Objective: Project the number and demographic characteristics of households.

Input:
User provided
- country.POP.DATA
- country.FERT.DATA

Stage 1 output
- country.R1.DATA
- country.R2.DATA
- country.R3.DATA
- country.R4.DATA
- country.R5.DATA
- country.K.DATA
- country.IGW.DATA
- country.CIV.DATA

Source program
- HHPART2B.FORT

Output:
country.N1.DATA
country.N2.DATA
country.NT.DATA

Execution:
1. Edit/create country.POP.DATA, country.FERT.DATA, and country.CIV.DATA. (For specifications, see section 4.)
2. Edit HOMES.CNTL to specify proper input and output files.
3. Submit HOMES.CNTL

Programs: DSET1.CNTL
DSET2.CNTL
DSETT.CNTL

Objective: Uses output from HOMES projections to create SAS partitioned data sets used for secondary analysis, such as generating summary tables and graphs.

Input: country.N1.DATA
country.N2.DATA
country.NT.DATA

Output: country.N1.SAS(Yyear)
country.N2.SAS(Yyear)
country.NT.SAS(Yyear)

year = 1st projection year, . . ., last projection year

Execution:
1. Edit DSETi.CNTL to specify proper input and output files.
2. Specify the first and last projection years in the statements "%LET START = startyr;" and "%LET END = endyr;".
3. Submit the program.

Program: REPORT1.CNTL

Objective: Produces summary tables of household projections for selected years. User allowed to select among nine summary tables.

Input: country.N1.SAS(Yyear)
country.N2.SAS(Yyear)
country.NT.SAS(Yyear)

Input files are generated by DSETi.CNTL.

Output: Table 1. Number of heads and spouses
Table 2. Number of children
Table 3. Number of parents
Table 4. Number of grandchildren
Table 5. Number of others
Table 6. Total number of members
Table 7. Age of members by type of household
Table 8. Age of members by age of head
Table 9. Relationship to head by age of head

Execution:
1. Create SAS data sets using DSETi.CNTL.
2. Edit REPORT1.CNTL, change input and output file names.
3. Specify the name of country and the year of the report in "%LET COUNTRY = country" and "%LET YEAR = year".
4. Select the tables to be printed (see table numbers above) in the statement "%LET TABLENO = %STR(. . . );".
5. Specify the number of tables selected in the statement "%LET TABCNT = . .;".
6. Submit the program.

Comment: Summary tables presented in section 1 for the Republic of Korea were generated using these procedures.

Program: REPORT2.CNTL

Objective: Produces detailed summary tables of household projections for selected years. User allowed to select among six summary tables.

Input: country.N1.SAS(Yyear)
country.N2.SAS(Yyear)
country.NT.SAS(Yyear)

Input files are generated by DSETi.CNTL.

Output: Table 1. Number of heads and spouses
Table 2. Number of children
Table 3. Number of parents
Table 4. Number of grandchildren
Table 5. Number of others
Table 6. Total number of members

Execution:
1. Create SAS data sets using DSETi.CNTL.
2. Edit REPORT2.CNTL, change input and output file names.
3. Specify the name of country and the year of the report in "%LET COUNTRY = country" and "%LET YEAR = year".
4. Select the tables to be printed (see table numbers above) in the statement "%LET TABLENO = %STR(. . . );".
5. Specify the number of tables selected in the statement "%LET TABCNT = . .;".
6. Submit the program.

Comment: This program generates tables with more age detail than in REPORT1.CNTL.

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